US Cold Storage

MOBILE SOURCE DIESEL HEALTH RISK ASSESSMENT
CITY OF HESPERIA

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13302-02 HRA Report

TABLE OF CONTENTS

APPENDICES

LIST OF EXHIBITS

LIST OF TABLES

LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MDAQMD	Mojave Desert Air Quality Management District
MEIR	Maximally Exposed Individual Receptor
MEISC	Maximally Exposed Individual School Child
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PCE	Passenger Car Equivalent
PM10	Particulate Matter 10 microns in diameter or less
Project	US Cold Storage
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TIA	Traffic Impact Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

This report evaluates the potential mobile source health risk impacts to the nearest sensitive receptors (which are residents) and nearest workers to the proposed Project, more specifically, health risk impacts as a result of exposure to diesel particulate matter (DPM) emitted from heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project mobile source health risks.

The results of the health risk assessment of lifetime cancer risk from Project-generated DPM emissions are provided in Table ES-1 below for the Project.

The residential land use with the greatest potential exposure to Project DPM source emissions is Location R2, which represents the existing residential dwelling unit located immediately adjacent to the west of the Project site, across US Highway 395, adjacent to the Projects primary truck travel route. R2 is placed at the residential building façade. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 7.91 in one million, which is less than the Mojave Desert Air Quality Management District's (MDAQMD's) significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.003, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance than the MEIR analyzed herein, and DPM generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences and other non-residential land uses.

TABLE ES-1: SUMMARY OF CANCER AND NON-CANCER RISKS

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Individual Receptor	7.91	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	0.003	1.0	NO

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1   INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate Project-related impacts to the nearest sensitive receptors (residents) and workers as a result of heavy-duty diesel trucks accessing the site.

The MDAQMD identifies that if a proposed Project is expected to generate/attract heavy-duty diesel trucks, which emit DPM, preparation of a mobile source HRA is recommended. This document serves to meet the MDQMD's recommendation for preparation of a HRA. The mobile source HRA has been prepared in accordance with the relevant documentation available including <u>Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis </u>(1) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and MDAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The MDAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

The MDQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less of than one (1.0) means that adverse health effects are not expected. In this HRA, non-carcinogenic exposures of less than 1.0 are considered less-than-significant. Both the cancer risk and non-carcinogenic risk thresholds are applied to the nearest sensitive receptors below.

1.1   SITE LOCATION

The proposed US Cold Storage development (referred to as "Project") is located north of east of US Highway 395 and between Avenal Street and Yucca Terrace Drive in the City of Hesperia, as shown on Exhibit 1-A.

1.2   PROJECT OVERVIEW

It is our understanding that the Project is to consist of 1,012,816 square feet (sf) of High-Cube Cold Storage Warehouse use (504,506 sf for the northern building and 508,310 sf for the southern building). The Project is anticipated to be developed within a single phase with an anticipated opening year of 2022. Regional access to the Project site is available from the I-15 Freeway at the Main Street interchange. Access to the Project site will be provided via 2 driveways on Avenal Street and Yucca Terrace Drive. The western driveway (Driveway 1) on Avenal Street will be utilized by both inbound and outbound passenger cars and for outbound trucks only. The western driveway (Driveway 2) on Yucca Terrace Drive will be utilized by both inbound and outbound passenger cars and for inbound trucks only. The eastern driveways on

both Avenal Street and Yucca Terrace Drive will be gated and are intended for emergency access only.

The *US Cold Storage Traffic Analysis* (Urban Crossroads, Inc.) (TIA) prepared by Urban Crossroads, Inc., identifies that the Project is expected to generate a total of approximately 2,150 two-way vehicular trips per day (1,075 inbound and 1,075 outbound) which includes 754 two-way heavy-duty diesel truck trips per day (377 inbound and 377 outbound) (2). This health risk assessment study evaluates the potential impacts resulting from diesel exhaust from the 754 two-way heavy-duty truck trips generated by the Project.

EXHIBIT 1-A: LOCATION MAP

EXHIBIT 1-B: SITE PLAN
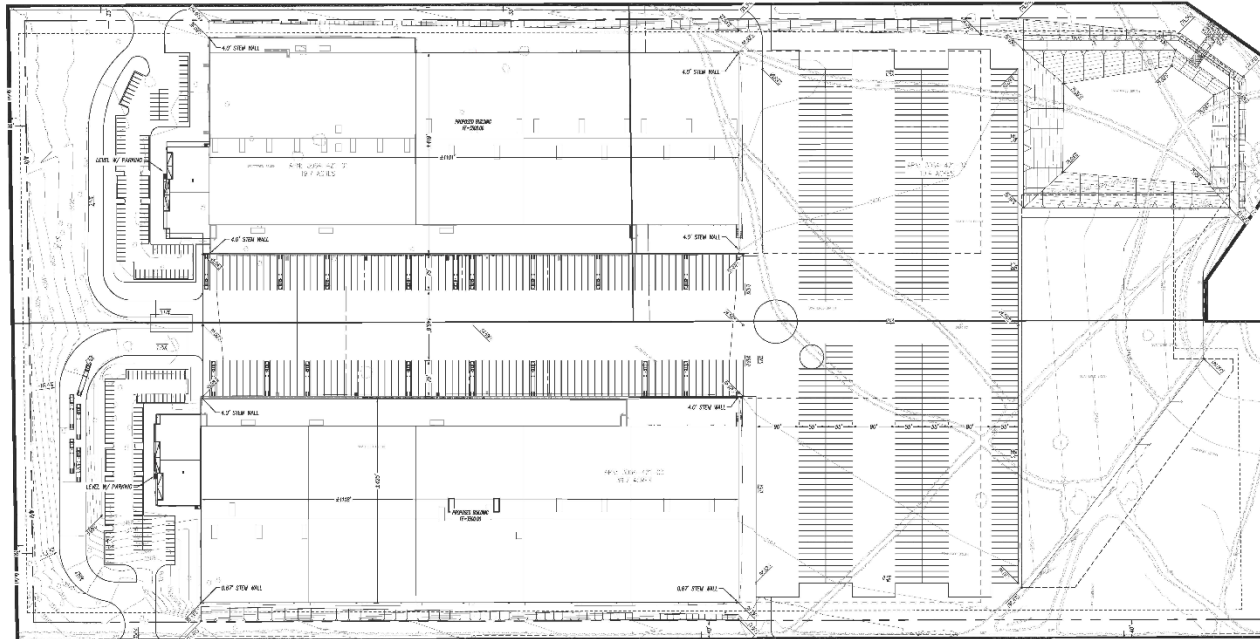
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2   BACKGROUND

2.1   BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on applicable guidelines to produce conservative estimates of human health risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per µg/m3 is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM because it represents breathing rates that are high for the human body (95% higher than the average population).

- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.[1] The California Air Resources Board (CARB's) anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2   EMISSIONS ESTIMATION

2.2.1   ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10µm in diameter (PM_{10}) generated with the 2017 version of the EMission FACtor model (EMFAC) developed by the CARB. EMFAC 2017 is a mathematical model that CARB developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (3). The most recent version of this model, EMFAC 2017, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2017. Emission factors calculated using EMFAC 2017 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2017 in EMFAC Mode for vehicles in the Mojave Desert Air Quality Management District (MDAQMD) jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted

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[1]   Although the Project is required to comply with ARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, in person, with Jillian Wong, December 22, 2016), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

Calculated emission factors are shown at Table 2-1. As a conservative measure, a 2022 EMFAC 2017 run was conducted and a static 2022 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2022 emission factors would overstate potential impacts since this approach assumes that emission factors remain "static" and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2022. Additionally, based on EMFAC 2017, Light-Heavy-Duty Trucks are comprised of 50.91% diesel, Medium-Heavy-Duty Trucks are comprised of 78.55% diesel, and Heavy-Heavy-Duty Trucks are comprised of 99.95% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM10 emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (4):

$$\text{Emissions}_{speedA} \ (g/s) = EF_{RunExhaust} \ (g/VMT) * \text{Distance} \ (VMT/trip) * \text{Number of Trips} \ (trips/day) \ / \quad \text{seconds per day}$$

Where:

Emissions$_{speedA}$ (g/s): Vehicle emissions at a given speed A;

EF$_{RunExhaust}$ (g/VMT): EMFAC running exhaust PM$_{10}$ emission factor at speed A;

Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM$_{10}$ emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM$_{10}$ emission factor (g/idle-hr) from EMFAC and the total truck trip over the total assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (4):

$$\text{Emissions}_{idle} \ (g/s) = EF_{idle} \ (g/hr) * \text{Number of Trips} \ (trips/day) * \text{Idling Time} \ (min/trip) *$$

60 minutes per hour / seconds per day

Where:

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Emissions$_{idle}$ (g/s): Vehicle emissions during idling;

EF$_{idle}$(g/s): EMFAC idle exhaust PM$_{10}$ emission factor.

TABLE 2-1: 2022 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.08823 (g/idle-hr)
5	0.02908 (g/s)
25	0.01268 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix "2.1". The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-2. The modeled emission sources are illustrated on Exhibit 2-A. The modeling domain is limited to the Project's primary truck route and includes off-site sources in the study area for approximately 2 miles. This modeling domain is more inclusive and conservative than using only a ¼ mile modeling domain which is the distance supported by several reputable studies which conclude that the greatest potential risks occur within a ¼ mile of the primary source of emissions (5) (in the case of the Project, the primary source of emissions is the on-site idling and on-site travel).

On-site truck idling was estimated to occur as trucks enter and travel through the Project site. Although the Project's diesel-fueled truck and equipment operators will be required by State law to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions be calculated assuming 15 minutes of truck idling (6), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis calculates truck idling at 15 minutes, consistent with SCAQMD's recommendation, even though the Project is not within the jurisdiction of the SCAQMD, these recommendations are relevant for CEQA purposes since MDAQMD does not provide similar guidance.

The *US Cold Storage Traffic Analysis* (Urban Crossroads, Inc.) (TIA) prepared by Urban Crossroads, Inc., identifies that the Project is expected to generate a total of approximately 2,150 two-way vehicular trips per day (1,075 inbound and 1,075 outbound) which includes 754 two-way heavy-duty diesel truck trips per day (377 inbound and 377 outbound) (2). This health risk assessment study evaluates the potential impacts resulting from diesel exhaust from the 754 two-way heavy-duty truck trips generated by the Project.

EXHIBIT 2-A: MODELED EMISSIONS SOURCES

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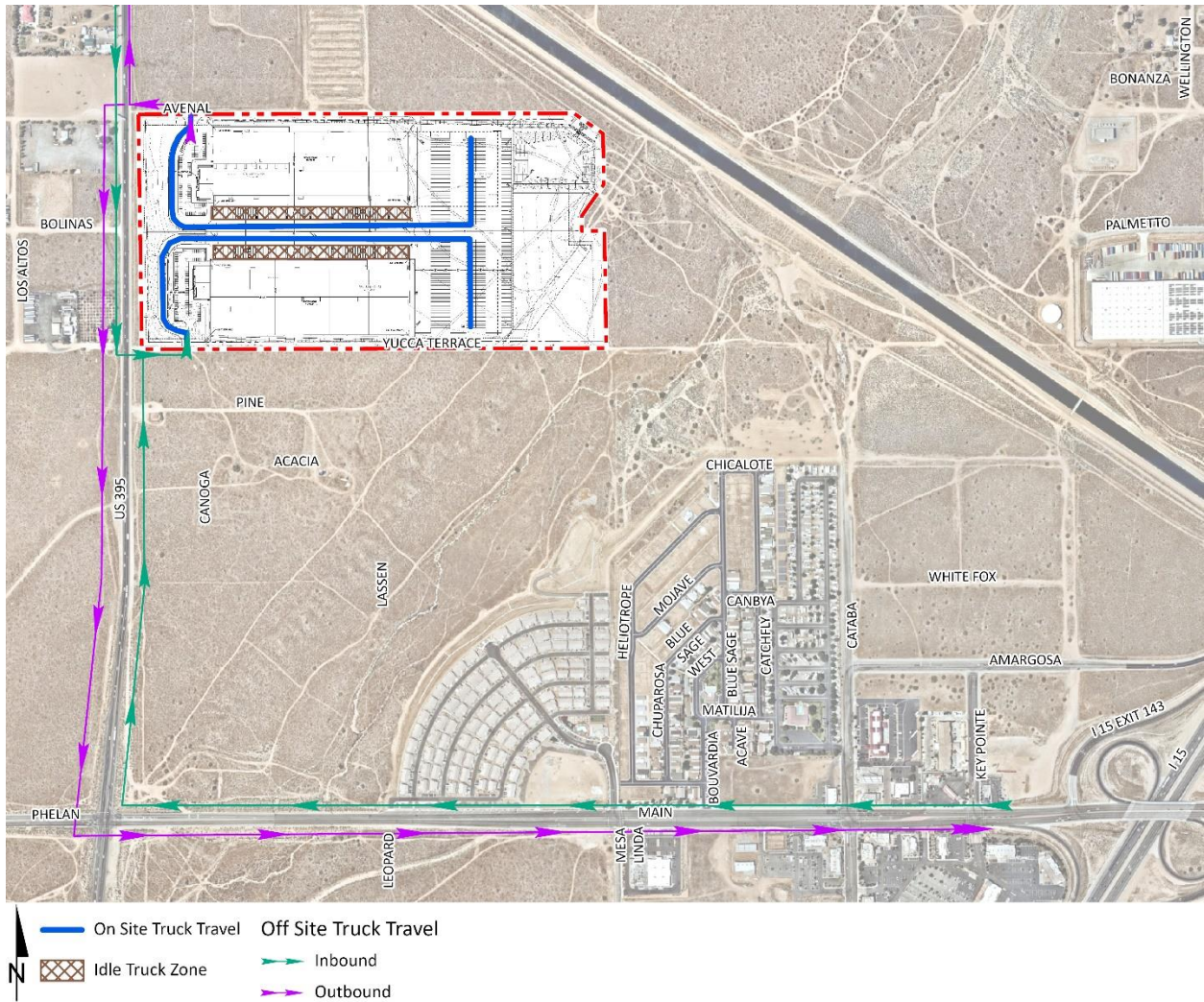
TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS (2022 ANALYSIS YEAR)

Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
Truck Emission Rates						
On-Site Idling Building (N)	189			0.0882	33.26	3.850E-04
On-Site Idling Building (S)	189			0.0882	33.26	3.850E-04
On-Site Travel Building (N)	377	201.18	0.0291		30.63	3.546E-04
On-Site Travel Building (S)	377	205.19	0.0291		31.24	3.616E-04
Off-Site Travel 5% Inbound	19	8.71	0.0127		0.33	3.781E-06
Off-Site Travel 95% Inbound	358	629.09	0.0127		23.47	2.717E-04
Off-Site Travel 5% Outbound	19	3.92	0.0127		0.15	1.702E-06
Off-Site Travel 95% Outbound	358	728.59	0.0127		27.19	3.146E-04

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes. Additionally, this colum includes idling from TRUs accessing the Project, it is assumed that TRUs would idle for up to 15 minutes the emissions also include those associated with on-site and off-site travel from TRUs.

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2.2.2 TRANSPORT REFRIGERATION UNITS (TRUs)

In order to account for the possibility of refrigerated uses (cold storage) that would be accommodated by the Project, all trucks are presumed to also have transport refrigeration units (TRUs). Therefore, for modeling purposes 377 total daily trucks (one-way) are presumed to be trucks with TRUs. In addition to on-site truck idling, the analysis assumes that each TRU accessing the site will also idle on-site for 15 minutes, even though the CARB's anti-idling rules mandate a 5-minute idling time. Based on CARB's *Draft Update to Inventory for Transportation Refrigeration Units* (7) 60% of TRUs are anticipated to be 25+ horsepower and 40% of TRUs are anticipated to be 23 horsepower, as such 60% of TRUs are assumed to be 34 horsepower with a load factor of 0.53 (0.01 grams of PM_{10} per brake-horsepower-hour) and 40% of TRUs are assumed to be 23 horsepower with a load factor of 0.46 (0.12 grams of PM_{10} per brake-horsepower-hour). TRUs are also accounted for during on-site and off-site travel. TRU emission rates were calculated based on CARB's 2017 Off-Road Diesel Emission Factors for analysis year 2022.

2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the <u>Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis</u> (1). The Environmental Protection Agency's (U.S. EPA's) AERMOD model has been utilized. For purposes of this analysis, the Lakes AERMOD View (Version 9.9.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 19191 (8).

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA's haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in Lakes AERMOD View has been utilized to determine the release height parameters. Based on the US EPA methodology, the Project's modeled sources would result in a release height of 3.49 meters, and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

The model requires additional input parameters including emission data and local meteorology. Meteorological data from the Southern California Logistics Airport monitoring station located in MDAQMD was used to represent local weather conditions and prevailing winds (9).

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, each volume source location, and receptor locations in the Project site's vicinity. The AERMOD dispersion model summary output files for the proposed Project are presented in Appendix "2.1". Modeled sensitive receptors were placed at residential and non-residential locations.

Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the

workplace's building, and not on the property line. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residents and workers over a period of 30 years of exposure, respectively. Notwithstanding, as a conservative measure, receptors were placed at either the outdoor living area or the building façade, whichever is closer to the Project site.

For purposes of this HRA, receptors include both residential and non-residential (worker) land uses in the vicinity of the Project. These receptors are included in the HRA since residents and workers may be exposed at these locations over a long-term duration of 30 years of exposure. This methodology is consistent with MDAQMD and OEHHA recommended guidance.

Any impacts to residents located further away from the Project site or primary truck travel route than the modeled residential receptors would have a lesser impact than what has already been disclosed in the HRA at the MEIR because concentrations dissipate with distance.

All receptors were set to existing elevation height so that only ground-level concentrations are analyzed (10). United States Geological Survey (USGS) Digital Elevation Model (DEM) terrain data based on a 7.5-minute topographic quadrangle map series using AERMAP was utilized in the HRA modeling to set elevations.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Table 2-3 summarizes the Exposure Parameters for Residents based on 2015 OEHHA Guidelines. Appendix 2.2 includes the detailed risk calculation.

TABLE 2-3: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1090	10	2	0.85	350	24
2 to 16	572	3	14	0.72	365	24
16 to 30	261	1	14	0.73	365	24

2.4   CARCINOGENIC CHEMICAL RISK

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time.

Guidance from CARB and the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)-1 to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$DOSE_{air} = (C_{air} \times [BR/BW] \times A \times EF) \times (1 \times 10^{-6})$$

Where:

DOSEair	=	chronic daily intake (mg/kg/day)
Cair	=	concentration of contaminant in air (ug/m3)
[BR/BW]	=	daily breathing rate normalized to body weight (L/kg BW-day)
A	=	inhalation absorption factor
EF	=	exposure frequency (days/365 days)
BW	=	body weight (kg)
1 x 10 -6	=	conversion factors (ug to mg, L to m3)

$$RISK_{air} = DOSE_{air} \times CPF \times ED/AT$$

Where:

DOSEair	=	chronic daily intake (mg/kg/day)
CPF	=	cancer potency factor
ED	=	number of years within particular age group
AT	=	averaging time

2.5   NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 μg/m^3 (OEHHA Toxicity Criteria Database, http://www.oehha.org/risk/chemicaldb/index.asp).

 The non-cancer hazard index was calculated as follows:

The relationship for the non-cancer health effects of DPM is given by the following equation:

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$$HI_{DPM} = C_{DPM}/REL_{DPM}$$

Where:

HI_{DPM} = Hazard Index; an expression of the potential for non-cancer health effects.

C_{DPM} = Annual average DPM concentration ($\mu g/m^3$).

REL_{DPM} = Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all receptors in the project vicinity, and thus is less than significant.

2.6   POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS

The residential land use with the greatest potential exposure to Project DPM source emissions is Location R2, which represents the existing residential dwelling unit located immediately adjacent to the west of the Project site, across US Highway 395, adjacent to the Projects primary truck travel route. R2 is placed at the residential building façade. At the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 7.91 in one million, which is less than the MDAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.003, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance than the MEIR analyzed herein, and DPM generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences and other non-residential land uses. The nearest modeled receptors are illustrated on Exhibit 2-B.

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EXHIBIT 2-B: MODELED RECEPTORS
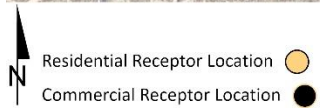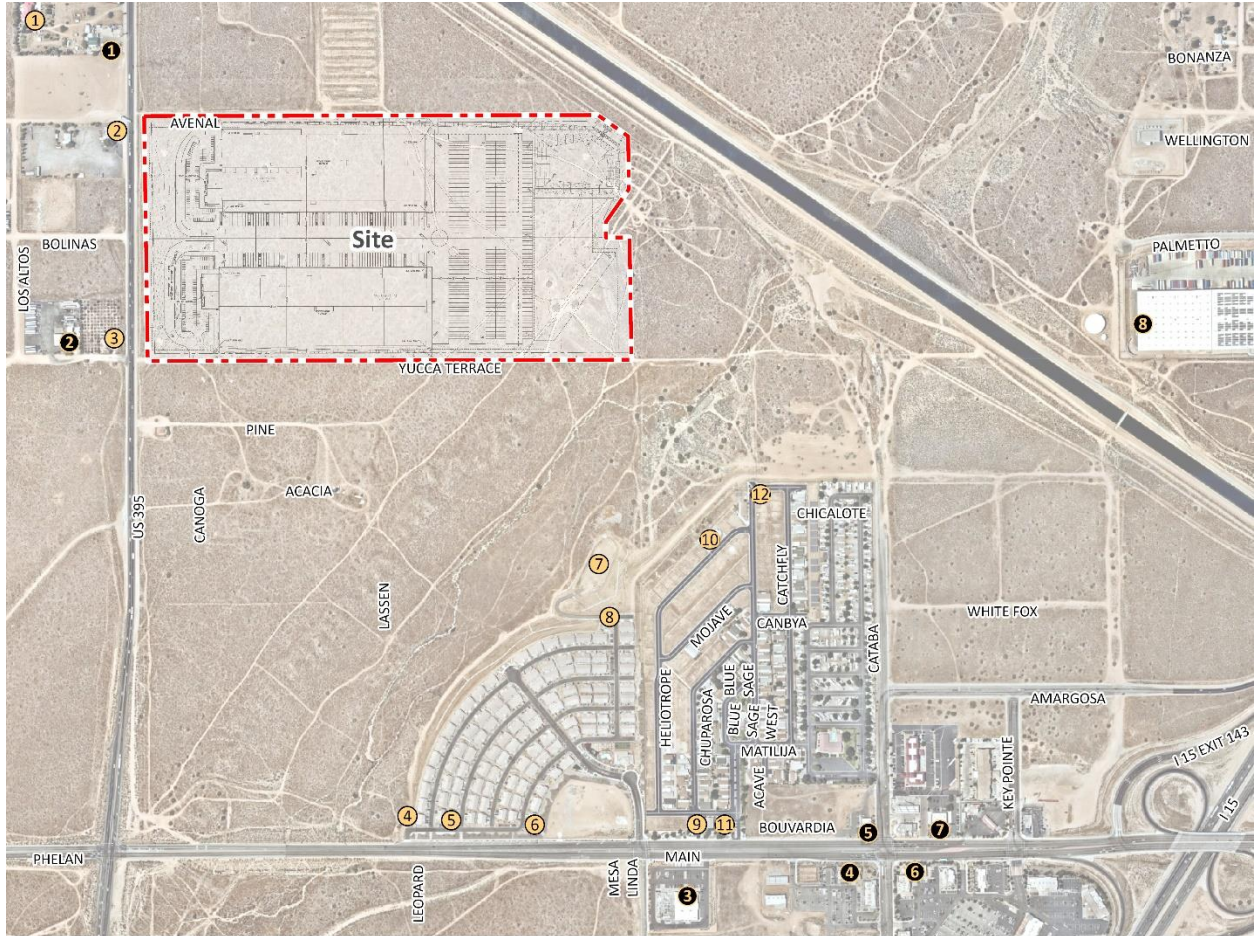
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3   REFERENCES

1. **South Coast Air Quality Managment District.** Mobile Source Toxics Analysis. [Online] 2003. http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.

2. **Urban Crossroads, Inc.** *US Cold Storage Traffic Analysis.* Newport Beach : s.n., 2020.

3. **California Air Resources Board.** EMFAC 2017. [Online] https://www.arb.ca.gov/emfac/2017/.

4. **California Department of Transportation.** EMFAC Software. [Online] http://www.dot.ca.gov/hq/env/air/pages/emfac.htm.

5. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.

6. **Wong, Jillian.** *Planning, Rule Development & Area Sources.* December 22, 2016.

7. **California Air Resources Board.** *Draft 2019 Update to Emissions Inventory for Transportation Refrigeration Units.* 2019.

8. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] 2019. https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf.

9. **California Air Resources Board.** Data for AERMOD. [Online] [Cited: August 10, 2020.] https://ww2.arb.ca.gov/resources/documents/harp-aermod-meteorological-files.

10. **South Coast Air Quality Management District.** South Coast AQMD Modeling Guidance for AERMOD. [Online] [Cited: September 18, 2019.] http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance.

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4   CERTIFICATIONS

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed US Cold Storage Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 660-1994.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June 2006

PROFESSIONAL AFFILIATIONS
AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June 2013
Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 2.1:

AERMOD MODEL INPUT/OUTPUT

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** Lakes Environmental AERMOD MPI
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*************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.9.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 12/17/2020
** FILE: C:\LAKES\AERMOD VIEW\13302 HRA\13302 HRA.ADI
**
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*************************************
** AERMOD CONTROL PATHWAY
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**
CO STARTING
   TITLEONE C:\LAKES\AERMOD VIEW\13302 HRA\13302 HRA.ISC
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 2035210
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "13302 HRA.ERR"
CO FINISHED
**
*************************************
** AERMOD SOURCE PATHWAY
*************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE1
** DESCRSRC ON-SITE IDLING NORTHERN BUILDING
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.000385
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 463438.849, 3810581.935, 1068.00, 3.49, 4.00
** 463774.406, 3810576.651, 1065.24, 3.49, 4.00
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     LOCATION L0003789      VOLUME     463443.144 3810581.868 1067.96
     LOCATION L0003790      VOLUME     463451.733 3810581.733 1067.89
     LOCATION L0003791      VOLUME     463460.322 3810581.597 1067.82
     LOCATION L0003792      VOLUME     463468.910 3810581.462 1067.75
     LOCATION L0003793      VOLUME     463477.499 3810581.327 1067.68
     LOCATION L0003794      VOLUME     463486.088 3810581.192 1067.61
     LOCATION L0003795      VOLUME     463494.677 3810581.056 1067.54
     LOCATION L0003796      VOLUME     463503.266 3810580.921 1067.47
     LOCATION L0003797      VOLUME     463511.855 3810580.786 1067.40
     LOCATION L0003798      VOLUME     463520.444 3810580.651 1067.33
     LOCATION L0003799      VOLUME     463529.033 3810580.515 1067.26
     LOCATION L0003800      VOLUME     463537.622 3810580.380 1067.19
     LOCATION L0003801      VOLUME     463546.211 3810580.245 1067.12
     LOCATION L0003802      VOLUME     463554.800 3810580.109 1067.05
     LOCATION L0003803      VOLUME     463563.389 3810579.974 1066.98
     LOCATION L0003804      VOLUME     463571.978 3810579.839 1066.91
     LOCATION L0003805      VOLUME     463580.567 3810579.704 1066.83
     LOCATION L0003806      VOLUME     463589.156 3810579.568 1066.76
     LOCATION L0003807      VOLUME     463597.744 3810579.433 1066.69
     LOCATION L0003808      VOLUME     463606.333 3810579.298 1066.62
     LOCATION L0003809      VOLUME     463614.922 3810579.163 1066.55
     LOCATION L0003810      VOLUME     463623.511 3810579.027 1066.48
     LOCATION L0003811      VOLUME     463632.100 3810578.892 1066.41
     LOCATION L0003812      VOLUME     463640.689 3810578.757 1066.34
     LOCATION L0003813      VOLUME     463649.278 3810578.622 1066.27
     LOCATION L0003814      VOLUME     463657.867 3810578.486 1066.20
     LOCATION L0003815      VOLUME     463666.456 3810578.351 1066.13
     LOCATION L0003816      VOLUME     463675.045 3810578.216 1066.06
     LOCATION L0003817      VOLUME     463683.634 3810578.081 1065.99
     LOCATION L0003818      VOLUME     463692.223 3810577.945 1065.92
     LOCATION L0003819      VOLUME     463700.812 3810577.810 1065.85
     LOCATION L0003820      VOLUME     463709.401 3810577.675 1065.77
     LOCATION L0003821      VOLUME     463717.990 3810577.540 1065.70
     LOCATION L0003822      VOLUME     463726.579 3810577.404 1065.63
     LOCATION L0003823      VOLUME     463735.167 3810577.269 1065.56
     LOCATION L0003824      VOLUME     463743.756 3810577.134 1065.49
     LOCATION L0003825      VOLUME     463752.345 3810576.999 1065.42
     LOCATION L0003826      VOLUME     463760.934 3810576.863 1065.35
     LOCATION L0003827      VOLUME     463769.523 3810576.728 1065.28
** END OF LINE VOLUME SOURCE ID = SLINE1
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE2
** DESCRSRC ON-SITE IDLING SOUTHERN BUILDING
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.000385
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
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** NODES = 2
** 463435.150, 3810520.637, 1069.00, 3.49, 4.00
** 463772.293, 3810516.409, 1066.00, 3.49, 4.00
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   LOCATION L0003828     VOLUME    463439.445 3810520.583 1068.96
   LOCATION L0003829     VOLUME    463448.034 3810520.475 1068.89
   LOCATION L0003830     VOLUME    463456.623 3810520.368 1068.81
   LOCATION L0003831     VOLUME    463465.213 3810520.260 1068.73
   LOCATION L0003832     VOLUME    463473.802 3810520.152 1068.66
   LOCATION L0003833     VOLUME    463482.391 3810520.044 1068.58
   LOCATION L0003834     VOLUME    463490.981 3810519.937 1068.50
   LOCATION L0003835     VOLUME    463499.570 3810519.829 1068.43
   LOCATION L0003836     VOLUME    463508.159 3810519.721 1068.35
   LOCATION L0003837     VOLUME    463516.749 3810519.614 1068.27
   LOCATION L0003838     VOLUME    463525.338 3810519.506 1068.20
   LOCATION L0003839     VOLUME    463533.927 3810519.398 1068.12
   LOCATION L0003840     VOLUME    463542.517 3810519.291 1068.04
   LOCATION L0003841     VOLUME    463551.106 3810519.183 1067.97
   LOCATION L0003842     VOLUME    463559.695 3810519.075 1067.89
   LOCATION L0003843     VOLUME    463568.285 3810518.967 1067.82
   LOCATION L0003844     VOLUME    463576.874 3810518.860 1067.74
   LOCATION L0003845     VOLUME    463585.463 3810518.752 1067.66
   LOCATION L0003846     VOLUME    463594.053 3810518.644 1067.59
   LOCATION L0003847     VOLUME    463602.642 3810518.537 1067.51
   LOCATION L0003848     VOLUME    463611.231 3810518.429 1067.43
   LOCATION L0003849     VOLUME    463619.821 3810518.321 1067.36
   LOCATION L0003850     VOLUME    463628.410 3810518.214 1067.28
   LOCATION L0003851     VOLUME    463636.999 3810518.106 1067.20
   LOCATION L0003852     VOLUME    463645.589 3810517.998 1067.13
   LOCATION L0003853     VOLUME    463654.178 3810517.890 1067.05
   LOCATION L0003854     VOLUME    463662.767 3810517.783 1066.97
   LOCATION L0003855     VOLUME    463671.357 3810517.675 1066.90
   LOCATION L0003856     VOLUME    463679.946 3810517.567 1066.82
   LOCATION L0003857     VOLUME    463688.535 3810517.460 1066.75
   LOCATION L0003858     VOLUME    463697.125 3810517.352 1066.67
   LOCATION L0003859     VOLUME    463705.714 3810517.244 1066.59
   LOCATION L0003860     VOLUME    463714.303 3810517.136 1066.52
   LOCATION L0003861     VOLUME    463722.893 3810517.029 1066.44
   LOCATION L0003862     VOLUME    463731.482 3810516.921 1066.36
   LOCATION L0003863     VOLUME    463740.071 3810516.813 1066.29
   LOCATION L0003864     VOLUME    463748.660 3810516.706 1066.21
   LOCATION L0003865     VOLUME    463757.250 3810516.598 1066.13
   LOCATION L0003866     VOLUME    463765.839 3810516.490 1066.06
** END OF LINE VOLUME SOURCE ID = SLINE2
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE3
** DESCRSRC ON-SITE TRAVEL NORTHERN BUILDING
** PREFIX
** LENGTH OF SIDE = 8.59
```

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** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0003546
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 9
** 463402.009, 3810749.309, 1066.00, 3.49, 4.00
** 463396.252, 3810726.692, 1066.00, 3.49, 4.00
** 463375.281, 3810696.674, 1066.63, 3.49, 4.00
** 463371.169, 3810634.582, 1067.78, 3.49, 4.00
** 463370.346, 3810579.069, 1068.24, 3.49, 4.00
** 463378.570, 3810568.378, 1069.00, 3.49, 4.00
** 463408.588, 3810564.677, 1068.39, 3.49, 4.00
** 463885.999, 3810561.799, 1064.51, 3.49, 4.00
** 463884.765, 3810721.758, 1062.00, 3.49, 4.00
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   LOCATION L0002753      VOLUME     463400.950 3810745.146 1066.00
   LOCATION L0002754      VOLUME     463398.831 3810736.822 1066.00
   LOCATION L0002755      VOLUME     463396.712 3810728.497 1066.00
   LOCATION L0002756      VOLUME     463392.399 3810721.177 1066.12
   LOCATION L0002757      VOLUME     463387.480 3810714.136 1066.26
   LOCATION L0002758      VOLUME     463382.560 3810707.094 1066.41
   LOCATION L0002759      VOLUME     463377.641 3810700.052 1066.56
   LOCATION L0002760      VOLUME     463374.985 3810692.215 1066.71
   LOCATION L0002761      VOLUME     463374.418 3810683.643 1066.87
   LOCATION L0002762      VOLUME     463373.850 3810675.072 1067.03
   LOCATION L0002763      VOLUME     463373.283 3810666.501 1067.19
   LOCATION L0002764      VOLUME     463372.715 3810657.930 1067.35
   LOCATION L0002765      VOLUME     463372.147 3810649.358 1067.51
   LOCATION L0002766      VOLUME     463371.580 3810640.787 1067.67
   LOCATION L0002767      VOLUME     463371.134 3810632.211 1067.80
   LOCATION L0002768      VOLUME     463371.006 3810623.622 1067.87
   LOCATION L0002769      VOLUME     463370.879 3810615.033 1067.94
   LOCATION L0002770      VOLUME     463370.752 3810606.444 1068.01
   LOCATION L0002771      VOLUME     463370.625 3810597.855 1068.08
   LOCATION L0002772      VOLUME     463370.497 3810589.266 1068.16
   LOCATION L0002773      VOLUME     463370.370 3810580.677 1068.23
   LOCATION L0002774      VOLUME     463374.603 3810573.535 1068.63
   LOCATION L0002775      VOLUME     463380.638 3810568.123 1068.96
   LOCATION L0002776      VOLUME     463389.164 3810567.072 1068.78
   LOCATION L0002777      VOLUME     463397.689 3810566.021 1068.61
   LOCATION L0002778      VOLUME     463406.215 3810564.970 1068.44
   LOCATION L0002779      VOLUME     463414.787 3810564.640 1068.34
   LOCATION L0002780      VOLUME     463423.377 3810564.588 1068.27
   LOCATION L0002781      VOLUME     463431.966 3810564.536 1068.20
   LOCATION L0002782      VOLUME     463440.556 3810564.484 1068.13
   LOCATION L0002783      VOLUME     463449.146 3810564.432 1068.06
   LOCATION L0002784      VOLUME     463457.736 3810564.381 1067.99
   LOCATION L0002785      VOLUME     463466.326 3810564.329 1067.92
   LOCATION L0002786      VOLUME     463474.916 3810564.277 1067.85
   LOCATION L0002787      VOLUME     463483.505 3810564.225 1067.78
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LOCATION  L0002788      VOLUME      463492.095 3810564.173 1067.71
LOCATION  L0002789      VOLUME      463500.685 3810564.122 1067.64
LOCATION  L0002790      VOLUME      463509.275 3810564.070 1067.57
LOCATION  L0002791      VOLUME      463517.865 3810564.018 1067.50
LOCATION  L0002792      VOLUME      463526.455 3810563.966 1067.43
LOCATION  L0002793      VOLUME      463535.044 3810563.915 1067.36
LOCATION  L0002794      VOLUME      463543.634 3810563.863 1067.29
LOCATION  L0002795      VOLUME      463552.224 3810563.811 1067.22
LOCATION  L0002796      VOLUME      463560.814 3810563.759 1067.15
LOCATION  L0002797      VOLUME      463569.404 3810563.707 1067.08
LOCATION  L0002798      VOLUME      463577.994 3810563.656 1067.01
LOCATION  L0002799      VOLUME      463586.584 3810563.604 1066.94
LOCATION  L0002800      VOLUME      463595.173 3810563.552 1066.87
LOCATION  L0002801      VOLUME      463603.763 3810563.500 1066.80
LOCATION  L0002802      VOLUME      463612.353 3810563.448 1066.73
LOCATION  L0002803      VOLUME      463620.943 3810563.397 1066.66
LOCATION  L0002804      VOLUME      463629.533 3810563.345 1066.59
LOCATION  L0002805      VOLUME      463638.123 3810563.293 1066.52
LOCATION  L0002806      VOLUME      463646.712 3810563.241 1066.45
LOCATION  L0002807      VOLUME      463655.302 3810563.189 1066.38
LOCATION  L0002808      VOLUME      463663.892 3810563.138 1066.32
LOCATION  L0002809      VOLUME      463672.482 3810563.086 1066.25
LOCATION  L0002810      VOLUME      463681.072 3810563.034 1066.18
LOCATION  L0002811      VOLUME      463689.662 3810562.982 1066.11
LOCATION  L0002812      VOLUME      463698.252 3810562.931 1066.04
LOCATION  L0002813      VOLUME      463706.841 3810562.879 1065.97
LOCATION  L0002814      VOLUME      463715.431 3810562.827 1065.90
LOCATION  L0002815      VOLUME      463724.021 3810562.775 1065.83
LOCATION  L0002816      VOLUME      463732.611 3810562.723 1065.76
LOCATION  L0002817      VOLUME      463741.201 3810562.672 1065.69
LOCATION  L0002818      VOLUME      463749.791 3810562.620 1065.62
LOCATION  L0002819      VOLUME      463758.380 3810562.568 1065.55
LOCATION  L0002820      VOLUME      463766.970 3810562.516 1065.48
LOCATION  L0002821      VOLUME      463775.560 3810562.464 1065.41
LOCATION  L0002822      VOLUME      463784.150 3810562.413 1065.34
LOCATION  L0002823      VOLUME      463792.740 3810562.361 1065.27
LOCATION  L0002824      VOLUME      463801.330 3810562.309 1065.20
LOCATION  L0002825      VOLUME      463809.919 3810562.257 1065.13
LOCATION  L0002826      VOLUME      463818.509 3810562.205 1065.06
LOCATION  L0002827      VOLUME      463827.099 3810562.154 1064.99
LOCATION  L0002828      VOLUME      463835.689 3810562.102 1064.92
LOCATION  L0002829      VOLUME      463844.279 3810562.050 1064.85
LOCATION  L0002830      VOLUME      463852.869 3810561.998 1064.78
LOCATION  L0002831      VOLUME      463861.459 3810561.946 1064.71
LOCATION  L0002832      VOLUME      463870.048 3810561.895 1064.64
LOCATION  L0002833      VOLUME      463878.638 3810561.843 1064.57
LOCATION  L0002834      VOLUME      463885.989 3810563.028 1064.49
LOCATION  L0002835      VOLUME      463885.923 3810571.618 1064.36
LOCATION  L0002836      VOLUME      463885.857 3810580.207 1064.22
LOCATION  L0002837      VOLUME      463885.791 3810588.797 1064.09
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   LOCATION L0002838     VOLUME     463885.724 3810597.387 1063.95
   LOCATION L0002839     VOLUME     463885.658 3810605.977 1063.82
   LOCATION L0002840     VOLUME     463885.592 3810614.566 1063.68
   LOCATION L0002841     VOLUME     463885.526 3810623.156 1063.55
   LOCATION L0002842     VOLUME     463885.459 3810631.746 1063.41
   LOCATION L0002843     VOLUME     463885.393 3810640.335 1063.28
   LOCATION L0002844     VOLUME     463885.327 3810648.925 1063.14
   LOCATION L0002845     VOLUME     463885.261 3810657.515 1063.01
   LOCATION L0002846     VOLUME     463885.194 3810666.105 1062.87
   LOCATION L0002847     VOLUME     463885.128 3810674.694 1062.74
   LOCATION L0002848     VOLUME     463885.062 3810683.284 1062.60
   LOCATION L0002849     VOLUME     463884.996 3810691.874 1062.47
   LOCATION L0002850     VOLUME     463884.929 3810700.464 1062.33
   LOCATION L0002851     VOLUME     463884.863 3810709.053 1062.20
   LOCATION L0002852     VOLUME     463884.797 3810717.643 1062.06
** END OF LINE VOLUME SOURCE ID = SLINE3
** -------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE4
** DESCRSRC ON-SITE TRAVEL SOUTHERN BUILDING
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0003616
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 11
** 463392.324, 3810354.878, 1071.94, 3.49, 4.00
** 463390.872, 3810376.651, 1071.00, 3.49, 4.00
** 463364.745, 3810384.392, 1071.08, 3.49, 4.00
** 463348.295, 3810398.424, 1071.21, 3.49, 4.00
** 463348.295, 3810439.066, 1071.00, 3.49, 4.00
** 463354.585, 3810527.608, 1069.08, 3.49, 4.00
** 463372.487, 3810535.834, 1069.14, 3.49, 4.00
** 463433.450, 3810536.318, 1069.00, 3.49, 4.00
** 463880.517, 3810530.512, 1065.00, 3.49, 4.00
** 463885.355, 3810530.512, 1065.00, 3.49, 4.00
** 463885.355, 3810387.295, 1067.00, 3.49, 4.00
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   LOCATION L0002854     VOLUME     463391.467 3810367.735 1071.38
   LOCATION L0002855     VOLUME     463390.895 3810376.306 1071.01
   LOCATION L0002856     VOLUME     463382.968 3810378.993 1071.02
   LOCATION L0002857     VOLUME     463374.732 3810381.433 1071.05
   LOCATION L0002858     VOLUME     463366.496 3810383.874 1071.07
   LOCATION L0002859     VOLUME     463359.599 3810388.782 1071.12
   LOCATION L0002860     VOLUME     463353.063 3810394.356 1071.17
   LOCATION L0002861     VOLUME     463348.295 3810400.746 1071.20
   LOCATION L0002862     VOLUME     463348.295 3810409.336 1071.15
   LOCATION L0002863     VOLUME     463348.295 3810417.926 1071.11
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LOCATION  L0002864       VOLUME     463348.295 3810426.516 1071.06
LOCATION  L0002865       VOLUME     463348.295 3810435.106 1071.02
LOCATION  L0002866       VOLUME     463348.623 3810443.684 1070.90
LOCATION  L0002867       VOLUME     463349.231 3810452.253 1070.71
LOCATION  L0002868       VOLUME     463349.840 3810460.821 1070.53
LOCATION  L0002869       VOLUME     463350.449 3810469.389 1070.34
LOCATION  L0002870       VOLUME     463351.057 3810477.958 1070.16
LOCATION  L0002871       VOLUME     463351.666 3810486.526 1069.97
LOCATION  L0002872       VOLUME     463352.275 3810495.095 1069.79
LOCATION  L0002873       VOLUME     463352.884 3810503.663 1069.60
LOCATION  L0002874       VOLUME     463353.492 3810512.231 1069.41
LOCATION  L0002875       VOLUME     463354.101 3810520.800 1069.23
LOCATION  L0002876       VOLUME     463356.188 3810528.345 1069.09
LOCATION  L0002877       VOLUME     463363.993 3810531.931 1069.11
LOCATION  L0002878       VOLUME     463371.799 3810535.518 1069.14
LOCATION  L0002879       VOLUME     463380.319 3810535.896 1069.12
LOCATION  L0002880       VOLUME     463388.909 3810535.964 1069.10
LOCATION  L0002881       VOLUME     463397.499 3810536.032 1069.08
LOCATION  L0002882       VOLUME     463406.089 3810536.100 1069.06
LOCATION  L0002883       VOLUME     463414.678 3810536.169 1069.04
LOCATION  L0002884       VOLUME     463423.268 3810536.237 1069.02
LOCATION  L0002885       VOLUME     463431.858 3810536.305 1069.00
LOCATION  L0002886       VOLUME     463440.447 3810536.227 1068.94
LOCATION  L0002887       VOLUME     463449.036 3810536.115 1068.86
LOCATION  L0002888       VOLUME     463457.626 3810536.004 1068.78
LOCATION  L0002889       VOLUME     463466.215 3810535.892 1068.71
LOCATION  L0002890       VOLUME     463474.804 3810535.781 1068.63
LOCATION  L0002891       VOLUME     463483.393 3810535.669 1068.55
LOCATION  L0002892       VOLUME     463491.983 3810535.557 1068.48
LOCATION  L0002893       VOLUME     463500.572 3810535.446 1068.40
LOCATION  L0002894       VOLUME     463509.161 3810535.334 1068.32
LOCATION  L0002895       VOLUME     463517.751 3810535.223 1068.25
LOCATION  L0002896       VOLUME     463526.340 3810535.111 1068.17
LOCATION  L0002897       VOLUME     463534.929 3810535.000 1068.09
LOCATION  L0002898       VOLUME     463543.518 3810534.888 1068.02
LOCATION  L0002899       VOLUME     463552.108 3810534.777 1067.94
LOCATION  L0002900       VOLUME     463560.697 3810534.665 1067.86
LOCATION  L0002901       VOLUME     463569.286 3810534.553 1067.78
LOCATION  L0002902       VOLUME     463577.876 3810534.442 1067.71
LOCATION  L0002903       VOLUME     463586.465 3810534.330 1067.63
LOCATION  L0002904       VOLUME     463595.054 3810534.219 1067.55
LOCATION  L0002905       VOLUME     463603.643 3810534.107 1067.48
LOCATION  L0002906       VOLUME     463612.233 3810533.996 1067.40
LOCATION  L0002907       VOLUME     463620.822 3810533.884 1067.32
LOCATION  L0002908       VOLUME     463629.411 3810533.773 1067.25
LOCATION  L0002909       VOLUME     463638.000 3810533.661 1067.17
LOCATION  L0002910       VOLUME     463646.590 3810533.550 1067.09
LOCATION  L0002911       VOLUME     463655.179 3810533.438 1067.02
LOCATION  L0002912       VOLUME     463663.768 3810533.326 1066.94
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    LOCATION L0002914      VOLUME     463680.947 3810533.103 1066.79
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    LOCATION L0002917      VOLUME     463706.715 3810532.769 1066.56
    LOCATION L0002918      VOLUME     463715.304 3810532.657 1066.48
    LOCATION L0002919      VOLUME     463723.893 3810532.546 1066.40
    LOCATION L0002920      VOLUME     463732.482 3810532.434 1066.32
    LOCATION L0002921      VOLUME     463741.072 3810532.322 1066.25
    LOCATION L0002922      VOLUME     463749.661 3810532.211 1066.17
    LOCATION L0002923      VOLUME     463758.250 3810532.099 1066.09
    LOCATION L0002924      VOLUME     463766.840 3810531.988 1066.02
    LOCATION L0002925      VOLUME     463775.429 3810531.876 1065.94
    LOCATION L0002926      VOLUME     463784.018 3810531.765 1065.86
    LOCATION L0002927      VOLUME     463792.607 3810531.653 1065.79
    LOCATION L0002928      VOLUME     463801.197 3810531.542 1065.71
    LOCATION L0002929      VOLUME     463809.786 3810531.430 1065.63
    LOCATION L0002930      VOLUME     463818.375 3810531.319 1065.56
    LOCATION L0002931      VOLUME     463826.965 3810531.207 1065.48
    LOCATION L0002932      VOLUME     463835.554 3810531.095 1065.40
    LOCATION L0002933      VOLUME     463844.143 3810530.984 1065.33
    LOCATION L0002934      VOLUME     463852.732 3810530.872 1065.25
    LOCATION L0002935      VOLUME     463861.322 3810530.761 1065.17
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    LOCATION L0002942      VOLUME     463885.355 3810494.417 1065.50
    LOCATION L0002943      VOLUME     463885.355 3810485.827 1065.62
    LOCATION L0002944      VOLUME     463885.355 3810477.237 1065.74
    LOCATION L0002945      VOLUME     463885.355 3810468.647 1065.86
    LOCATION L0002946      VOLUME     463885.355 3810460.057 1065.98
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    LOCATION L0002952      VOLUME     463885.355 3810408.517 1066.70
    LOCATION L0002953      VOLUME     463885.355 3810399.927 1066.82
    LOCATION L0002954      VOLUME     463885.355 3810391.337 1066.94
** END OF LINE VOLUME SOURCE ID = SLINE4
** ------------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE5
** DESCRSRC 5% INBOUND OFF-SITE TRUCK TRAVEL
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 3.781E-06
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** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 7
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** 463290.333, 3810743.794, 1067.00, 3.49, 4.00
** 463289.665, 3810644.946, 1068.11, 3.49, 4.00
** 463287.439, 3810471.295, 1071.00, 3.49, 4.00
** 463286.994, 3810352.633, 1072.12, 3.49, 4.00
** 463395.414, 3810352.856, 1071.93, 3.49, 4.00
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   LOCATION L0002971     VOLUME     463290.935 3810836.712 1065.65
   LOCATION L0002972     VOLUME     463290.880 3810828.122 1065.77
   LOCATION L0002973     VOLUME     463290.824 3810819.532 1065.90
   LOCATION L0002974     VOLUME     463290.768 3810810.942 1066.02
   LOCATION L0002975     VOLUME     463290.713 3810802.352 1066.15
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   LOCATION L0002977     VOLUME     463290.601 3810785.173 1066.40
   LOCATION L0002978     VOLUME     463290.546 3810776.583 1066.52
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   LOCATION L0002982     VOLUME     463290.322 3810742.224 1067.02
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   LOCATION L0002985     VOLUME     463290.148 3810716.454 1067.31
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   LOCATION L0002991     VOLUME     463289.800 3810664.915 1067.89
   LOCATION L0002992     VOLUME     463289.742 3810656.325 1067.98
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    LOCATION L0003002       VOLUME     463288.710 3810570.432 1069.35
    LOCATION L0003003       VOLUME     463288.600 3810561.843 1069.49
    LOCATION L0003004       VOLUME     463288.490 3810553.253 1069.64
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    LOCATION L0003006       VOLUME     463288.269 3810536.075 1069.92
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    LOCATION L0003008       VOLUME     463288.049 3810518.896 1070.21
    LOCATION L0003009       VOLUME     463287.939 3810510.307 1070.35
    LOCATION L0003010       VOLUME     463287.829 3810501.718 1070.49
    LOCATION L0003011       VOLUME     463287.719 3810493.128 1070.64
    LOCATION L0003012       VOLUME     463287.609 3810484.539 1070.78
    LOCATION L0003013       VOLUME     463287.498 3810475.950 1070.92
    LOCATION L0003014       VOLUME     463287.424 3810467.360 1071.04
    LOCATION L0003015       VOLUME     463287.392 3810458.770 1071.12
    LOCATION L0003016       VOLUME     463287.360 3810450.180 1071.20
    LOCATION L0003017       VOLUME     463287.327 3810441.590 1071.28
    LOCATION L0003018       VOLUME     463287.295 3810433.000 1071.36
    LOCATION L0003019       VOLUME     463287.263 3810424.410 1071.44
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    LOCATION L0003022       VOLUME     463287.166 3810398.641 1071.69
    LOCATION L0003023       VOLUME     463287.134 3810390.051 1071.77
    LOCATION L0003024       VOLUME     463287.102 3810381.461 1071.85
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    LOCATION L0003030       VOLUME     463309.706 3810352.680 1072.08
    LOCATION L0003031       VOLUME     463318.296 3810352.697 1072.07
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    LOCATION L0003033       VOLUME     463335.476 3810352.733 1072.04
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    LOCATION L0003035       VOLUME     463352.656 3810352.768 1072.00
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    LOCATION L0003037       VOLUME     463369.836 3810352.803 1071.97
    LOCATION L0003038       VOLUME     463378.426 3810352.821 1071.96
    LOCATION L0003039       VOLUME     463387.015 3810352.838 1071.94
** END OF LINE VOLUME SOURCE ID = SLINE5
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE6
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** DESCRSRC 95% INBOUND OFF-SITE TRUCK TRAVEL
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0002717
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 15
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** 464780.435, 3809541.925, 1070.00, 3.49, 4.00
** 464546.470, 3809543.252, 1072.00, 3.49, 4.00
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** 463255.801, 3809552.327, 1086.00, 3.49, 4.00
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LOCATION  L0003173      VOLUME      464037.153 3809546.198 1077.96
LOCATION  L0003174      VOLUME      464028.563 3809546.248 1078.06
LOCATION  L0003175      VOLUME      464019.973 3809546.298 1078.16
LOCATION  L0003176      VOLUME      464011.384 3809546.347 1078.26
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LOCATION  L0003179      VOLUME      463985.614 3809546.551 1078.52
LOCATION  L0003180      VOLUME      463977.025 3809546.619 1078.61
LOCATION  L0003181      VOLUME      463968.435 3809546.687 1078.70
LOCATION  L0003182      VOLUME      463959.845 3809546.755 1078.79
LOCATION  L0003183      VOLUME      463951.255 3809546.823 1078.88
LOCATION  L0003184      VOLUME      463942.666 3809546.891 1078.96
LOCATION  L0003185      VOLUME      463934.076 3809546.959 1079.05
LOCATION  L0003186      VOLUME      463925.486 3809547.027 1079.14
LOCATION  L0003187      VOLUME      463916.897 3809547.095 1079.23
LOCATION  L0003188      VOLUME      463908.307 3809547.163 1079.32
LOCATION  L0003189      VOLUME      463899.717 3809547.231 1079.40
LOCATION  L0003190      VOLUME      463891.127 3809547.299 1079.49
LOCATION  L0003191      VOLUME      463882.538 3809547.367 1079.58
LOCATION  L0003192      VOLUME      463873.948 3809547.435 1079.67
LOCATION  L0003193      VOLUME      463865.358 3809547.503 1079.76
LOCATION  L0003194      VOLUME      463856.768 3809547.571 1079.84
LOCATION  L0003195      VOLUME      463848.179 3809547.639 1079.93
LOCATION  L0003196      VOLUME      463839.589 3809547.707 1080.02
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LOCATION  L0003199      VOLUME      463813.820 3809547.911 1080.28
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LOCATION  L0003201      VOLUME      463796.640 3809548.047 1080.46
LOCATION  L0003202      VOLUME      463788.051 3809548.115 1080.55
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LOCATION  L0003204      VOLUME      463770.871 3809548.251 1080.72
LOCATION  L0003205      VOLUME      463762.281 3809548.319 1080.81
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LOCATION  L0003207      VOLUME      463745.102 3809548.455 1080.99
LOCATION  L0003208      VOLUME      463736.512 3809548.523 1081.08
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LOCATION  L0003210      VOLUME      463719.333 3809548.659 1081.25
LOCATION  L0003211      VOLUME      463710.743 3809548.726 1081.34
LOCATION  L0003212      VOLUME      463702.153 3809548.794 1081.43
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LOCATION  L0003222      VOLUME      463616.256 3809549.474 1082.31
LOCATION  L0003223      VOLUME      463607.666 3809549.542 1082.40
LOCATION  L0003224      VOLUME      463599.076 3809549.610 1082.48
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LOCATION  L0003228      VOLUME      463564.718 3809549.882 1082.84
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LOCATION  L0003231      VOLUME      463538.948 3809550.086 1083.10
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LOCATION  L0003238      VOLUME      463478.820 3809550.562 1083.72
LOCATION  L0003239      VOLUME      463470.230 3809550.630 1083.80
LOCATION  L0003240      VOLUME      463461.641 3809550.698 1083.89
LOCATION  L0003241      VOLUME      463453.051 3809550.766 1083.98
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LOCATION  L0003247      VOLUME      463401.513 3809551.174 1084.51
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LOCATION  L0003249      VOLUME      463384.333 3809551.310 1084.68
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LOCATION  L0003251      VOLUME      463367.154 3809551.446 1084.86
LOCATION  L0003252      VOLUME      463358.564 3809551.514 1084.95
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LOCATION  L0003261      VOLUME      463281.256 3809552.126 1085.74
LOCATION  L0003262      VOLUME      463272.667 3809552.194 1085.83
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LOCATION  L0003272      VOLUME      463257.476 3809621.181 1085.14
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LOCATION  L0003274      VOLUME      463258.990 3809638.294 1084.74
LOCATION  L0003275      VOLUME      463259.746 3809646.850 1084.54
LOCATION  L0003276      VOLUME      463260.503 3809655.407 1084.34
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LOCATION  L0003279      VOLUME      463262.924 3809681.063 1083.92
LOCATION  L0003280      VOLUME      463263.746 3809689.613 1083.79
LOCATION  L0003281      VOLUME      463264.567 3809698.164 1083.67
LOCATION  L0003282      VOLUME      463265.388 3809706.715 1083.54
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LOCATION  L0003285      VOLUME      463267.852 3809732.367 1083.17
LOCATION  L0003286      VOLUME      463268.674 3809740.917 1083.04
LOCATION  L0003287      VOLUME      463269.495 3809749.468 1082.92
LOCATION  L0003288      VOLUME      463270.316 3809758.019 1082.79
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LOCATION  L0003291      VOLUME      463272.781 3809783.671 1082.42
LOCATION  L0003292      VOLUME      463273.602 3809792.221 1082.29
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LOCATION  L0003294      VOLUME      463275.245 3809809.322 1082.04
LOCATION  L0003295      VOLUME      463276.066 3809817.873 1081.92
LOCATION  L0003296      VOLUME      463276.887 3809826.424 1081.79
LOCATION  L0003297      VOLUME      463277.709 3809834.974 1081.67
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LOCATION  L0003299      VOLUME      463279.352 3809852.076 1081.42
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LOCATION  L0003301      VOLUME      463280.994 3809869.177 1081.17
LOCATION  L0003302      VOLUME      463281.713 3809877.736 1081.02
LOCATION  L0003303      VOLUME      463282.372 3809886.301 1080.85
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LOCATION  L0003306      VOLUME      463284.349 3809911.995 1080.37
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LOCATION  L0003311      VOLUME      463286.274 3809954.891 1079.56
LOCATION  L0003312      VOLUME      463286.519 3809963.477 1079.40
LOCATION  L0003313      VOLUME      463286.764 3809972.064 1079.24
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LOCATION  L0003319      VOLUME      463288.236 3810023.583 1078.27
LOCATION  L0003320      VOLUME      463288.482 3810032.169 1078.11
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LOCATION  L0003322      VOLUME      463288.972 3810049.342 1077.79
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LOCATION  L0003324      VOLUME      463289.463 3810066.515 1077.47
LOCATION  L0003325      VOLUME      463289.634 3810075.103 1077.30
LOCATION  L0003326      VOLUME      463289.661 3810083.693 1077.14
LOCATION  L0003327      VOLUME      463289.688 3810092.283 1076.98
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LOCATION  L0003331      VOLUME      463289.798 3810126.643 1076.34
LOCATION  L0003332      VOLUME      463289.825 3810135.233 1076.17
LOCATION  L0003333      VOLUME      463289.853 3810143.823 1076.01
LOCATION  L0003334      VOLUME      463289.880 3810152.413 1075.85
LOCATION  L0003335      VOLUME      463289.907 3810161.003 1075.69
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LOCATION  L0003337      VOLUME      463289.962 3810178.182 1075.37
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LOCATION  L0003339      VOLUME      463290.017 3810195.362 1075.05
LOCATION  L0003340      VOLUME      463290.044 3810203.952 1074.88
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LOCATION  L0003347      VOLUME      463290.647 3810264.078 1073.75
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LOCATION  L0003351      VOLUME      463291.253 3810298.432 1073.10
LOCATION  L0003352      VOLUME      463291.404 3810307.021 1072.93
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LOCATION  L0003354      VOLUME      463291.707 3810324.198 1072.61
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LOCATION  L0003356      VOLUME      463292.009 3810341.376 1072.28
LOCATION  L0003357      VOLUME      463292.161 3810349.964 1072.12
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LOCATION  L0003359      VOLUME      463305.695 3810353.602 1072.04
LOCATION  L0003360      VOLUME      463314.285 3810353.555 1072.03
LOCATION  L0003361      VOLUME      463322.875 3810353.508 1072.02
LOCATION  L0003362      VOLUME      463331.465 3810353.462 1072.02
LOCATION  L0003363      VOLUME      463340.055 3810353.415 1072.01
LOCATION  L0003364      VOLUME      463348.644 3810353.368 1072.00
LOCATION  L0003365      VOLUME      463357.234 3810353.321 1072.00
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    LOCATION L0003366      VOLUME    463365.824 3810353.275 1071.99
    LOCATION L0003367      VOLUME    463374.414 3810353.228 1071.98
    LOCATION L0003368      VOLUME    463383.004 3810353.181 1071.97
** END OF LINE VOLUME SOURCE ID = SLINE6
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE7
** DESCRSRC 5% OUTBOUND OFF-SITE TRUCK TRAVEL
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.702E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 463405.781, 3810758.538, 1066.00, 3.49, 4.00
** 463295.163, 3810755.300, 1066.42, 3.49, 4.00
** 463297.321, 3810979.235, 1064.02, 3.49, 4.00
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    LOCATION L0003370      VOLUME    463392.902 3810758.161 1066.05
    LOCATION L0003371      VOLUME    463384.315 3810757.910 1066.08
    LOCATION L0003372      VOLUME    463375.729 3810757.658 1066.11
    LOCATION L0003373      VOLUME    463367.143 3810757.407 1066.15
    LOCATION L0003374      VOLUME    463358.557 3810757.156 1066.18
    LOCATION L0003375      VOLUME    463349.970 3810756.904 1066.21
    LOCATION L0003376      VOLUME    463341.384 3810756.653 1066.24
    LOCATION L0003377      VOLUME    463332.798 3810756.402 1066.28
    LOCATION L0003378      VOLUME    463324.211 3810756.150 1066.31
    LOCATION L0003379      VOLUME    463315.625 3810755.899 1066.34
    LOCATION L0003380      VOLUME    463307.039 3810755.648 1066.37
    LOCATION L0003381      VOLUME    463298.452 3810755.396 1066.41
    LOCATION L0003382      VOLUME    463295.214 3810760.599 1066.36
    LOCATION L0003383      VOLUME    463295.297 3810769.189 1066.27
    LOCATION L0003384      VOLUME    463295.380 3810777.778 1066.18
    LOCATION L0003385      VOLUME    463295.462 3810786.368 1066.09
    LOCATION L0003386      VOLUME    463295.545 3810794.958 1065.99
    LOCATION L0003387      VOLUME    463295.628 3810803.547 1065.90
    LOCATION L0003388      VOLUME    463295.711 3810812.137 1065.81
    LOCATION L0003389      VOLUME    463295.794 3810820.726 1065.72
    LOCATION L0003390      VOLUME    463295.876 3810829.316 1065.63
    LOCATION L0003391      VOLUME    463295.959 3810837.906 1065.53
    LOCATION L0003392      VOLUME    463296.042 3810846.495 1065.44
    LOCATION L0003393      VOLUME    463296.125 3810855.085 1065.35
    LOCATION L0003394      VOLUME    463296.208 3810863.674 1065.26
    LOCATION L0003395      VOLUME    463296.290 3810872.264 1065.17
    LOCATION L0003396      VOLUME    463296.373 3810880.854 1065.07
    LOCATION L0003397      VOLUME    463296.456 3810889.443 1064.98
    LOCATION L0003398      VOLUME    463296.539 3810898.033 1064.89
    LOCATION L0003399      VOLUME    463296.622 3810906.622 1064.80
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    LOCATION L0003401      VOLUME     463296.787 3810923.802 1064.61
    LOCATION L0003402      VOLUME     463296.870 3810932.391 1064.52
    LOCATION L0003403      VOLUME     463296.953 3810940.981 1064.43
    LOCATION L0003404      VOLUME     463297.035 3810949.570 1064.34
    LOCATION L0003405      VOLUME     463297.118 3810958.160 1064.25
    LOCATION L0003406      VOLUME     463297.201 3810966.750 1064.15
    LOCATION L0003407      VOLUME     463297.284 3810975.339 1064.06
** END OF LINE VOLUME SOURCE ID = SLINE7
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE8
** DESCRSRC 95% OUTBOUND OFF-SITE TRUCK TRAVEL
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0003146
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 12
** 463402.094, 3810758.182, 1066.00, 3.49, 4.00
** 463289.933, 3810756.491, 1066.46, 3.49, 4.00
** 463287.678, 3810395.209, 1072.00, 3.49, 4.00
** 463283.733, 3809856.949, 1081.29, 3.49, 4.00
** 463269.079, 3809819.749, 1082.00, 3.49, 4.00
** 463242.025, 3809540.192, 1085.98, 3.49, 4.00
** 464131.422, 3809528.920, 1076.94, 3.49, 4.00
** 464649.392, 3809527.229, 1071.00, 3.49, 4.00
** 464825.806, 3809527.793, 1069.30, 3.49, 4.00
** 464989.821, 3809533.429, 1068.10, 3.49, 4.00
** 465178.634, 3809533.993, 1067.38, 3.49, 4.00
** 465183.143, 3809533.993, 1067.17, 3.49, 4.00
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    LOCATION L0003411      VOLUME     463372.032 3810757.729 1066.12
    LOCATION L0003412      VOLUME     463363.443 3810757.599 1066.16
    LOCATION L0003413      VOLUME     463354.854 3810757.470 1066.19
    LOCATION L0003414      VOLUME     463346.265 3810757.340 1066.23
    LOCATION L0003415      VOLUME     463337.676 3810757.211 1066.26
    LOCATION L0003416      VOLUME     463329.087 3810757.081 1066.30
    LOCATION L0003417      VOLUME     463320.498 3810756.952 1066.33
    LOCATION L0003418      VOLUME     463311.909 3810756.823 1066.37
    LOCATION L0003419      VOLUME     463303.320 3810756.693 1066.41
    LOCATION L0003420      VOLUME     463294.731 3810756.564 1066.44
    LOCATION L0003421      VOLUME     463289.909 3810752.700 1066.52
    LOCATION L0003422      VOLUME     463289.856 3810744.110 1066.65
    LOCATION L0003423      VOLUME     463289.802 3810735.520 1066.78
    LOCATION L0003424      VOLUME     463289.749 3810726.931 1066.91
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LOCATION  L0003426      VOLUME      463289.641 3810709.751 1067.18
LOCATION  L0003427      VOLUME      463289.588 3810701.161 1067.31
LOCATION  L0003428      VOLUME      463289.534 3810692.571 1067.44
LOCATION  L0003429      VOLUME      463289.481 3810683.981 1067.57
LOCATION  L0003430      VOLUME      463289.427 3810675.392 1067.70
LOCATION  L0003431      VOLUME      463289.373 3810666.802 1067.84
LOCATION  L0003432      VOLUME      463289.320 3810658.212 1067.97
LOCATION  L0003433      VOLUME      463289.266 3810649.622 1068.10
LOCATION  L0003434      VOLUME      463289.212 3810641.032 1068.23
LOCATION  L0003435      VOLUME      463289.159 3810632.442 1068.36
LOCATION  L0003436      VOLUME      463289.105 3810623.853 1068.49
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LOCATION L0003729    VOLUME    464671.053 3809527.298 1070.79
LOCATION L0003730    VOLUME    464679.643 3809527.326 1070.71
LOCATION L0003731    VOLUME    464688.233 3809527.353 1070.63
LOCATION L0003732    VOLUME    464696.823 3809527.381 1070.54
LOCATION L0003733    VOLUME    464705.413 3809527.408 1070.46
LOCATION L0003734    VOLUME    464714.003 3809527.435 1070.38
LOCATION L0003735    VOLUME    464722.593 3809527.463 1070.29
LOCATION L0003736    VOLUME    464731.183 3809527.490 1070.21
LOCATION L0003737    VOLUME    464739.773 3809527.518 1070.13
LOCATION L0003738    VOLUME    464748.363 3809527.545 1070.05
LOCATION L0003739    VOLUME    464756.953 3809527.573 1069.96
LOCATION L0003740    VOLUME    464765.543 3809527.600 1069.88
LOCATION L0003741    VOLUME    464774.133 3809527.628 1069.80
LOCATION L0003742    VOLUME    464782.723 3809527.655 1069.72
LOCATION L0003743    VOLUME    464791.313 3809527.682 1069.63
LOCATION L0003744    VOLUME    464799.903 3809527.710 1069.55
LOCATION L0003745    VOLUME    464808.493 3809527.737 1069.47
LOCATION L0003746    VOLUME    464817.082 3809527.765 1069.38
LOCATION L0003747    VOLUME    464825.672 3809527.792 1069.30
LOCATION L0003748    VOLUME    464834.257 3809528.083 1069.24
LOCATION L0003749    VOLUME    464842.842 3809528.378 1069.18
LOCATION L0003750    VOLUME    464851.427 3809528.673 1069.11
LOCATION L0003751    VOLUME    464860.012 3809528.968 1069.05
LOCATION L0003752    VOLUME    464868.597 3809529.263 1068.99
LOCATION L0003753    VOLUME    464877.182 3809529.558 1068.92
LOCATION L0003754    VOLUME    464885.767 3809529.853 1068.86
LOCATION L0003755    VOLUME    464894.352 3809530.148 1068.80
LOCATION L0003756    VOLUME    464902.937 3809530.443 1068.74
LOCATION L0003757    VOLUME    464911.522 3809530.738 1068.67
LOCATION L0003758    VOLUME    464920.107 3809531.033 1068.61
LOCATION L0003759    VOLUME    464928.692 3809531.328 1068.55
LOCATION L0003760    VOLUME    464937.277 3809531.623 1068.48
LOCATION L0003761    VOLUME    464945.862 3809531.918 1068.42
LOCATION L0003762    VOLUME    464954.446 3809532.213 1068.36
LOCATION L0003763    VOLUME    464963.031 3809532.508 1068.30
LOCATION L0003764    VOLUME    464971.616 3809532.803 1068.23
LOCATION L0003765    VOLUME    464980.201 3809533.098 1068.17
LOCATION L0003766    VOLUME    464988.786 3809533.393 1068.11
LOCATION L0003767    VOLUME    464997.376 3809533.451 1068.07
LOCATION L0003768    VOLUME    465005.966 3809533.477 1068.04
LOCATION L0003769    VOLUME    465014.556 3809533.503 1068.01
LOCATION L0003770    VOLUME    465023.145 3809533.528 1067.97
LOCATION L0003771    VOLUME    465031.735 3809533.554 1067.94
LOCATION L0003772    VOLUME    465040.325 3809533.580 1067.91
LOCATION L0003773    VOLUME    465048.915 3809533.605 1067.87
LOCATION L0003774    VOLUME    465057.505 3809533.631 1067.84
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    LOCATION L0003775     VOLUME    465066.095 3809533.657 1067.81
    LOCATION L0003776     VOLUME    465074.685 3809533.682 1067.78
    LOCATION L0003777     VOLUME    465083.275 3809533.708 1067.74
    LOCATION L0003778     VOLUME    465091.865 3809533.734 1067.71
    LOCATION L0003779     VOLUME    465100.455 3809533.759 1067.68
    LOCATION L0003780     VOLUME    465109.045 3809533.785 1067.65
    LOCATION L0003781     VOLUME    465117.635 3809533.810 1067.61
    LOCATION L0003782     VOLUME    465126.225 3809533.836 1067.58
    LOCATION L0003783     VOLUME    465134.815 3809533.862 1067.55
    LOCATION L0003784     VOLUME    465143.405 3809533.887 1067.51
    LOCATION L0003785     VOLUME    465151.995 3809533.913 1067.48
    LOCATION L0003786     VOLUME    465160.585 3809533.939 1067.45
    LOCATION L0003787     VOLUME    465169.175 3809533.964 1067.42
    LOCATION L0003788     VOLUME    465177.765 3809533.990 1067.38
 ** END OF LINE VOLUME SOURCE ID = SLINE8
 ** SOURCE PARAMETERS **
 ** LINE VOLUME SOURCE ID = SLINE1
    SRCPARAM L0003789     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003790     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003791     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003792     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003793     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003794     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003795     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003796     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003797     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003798     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003799     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003800     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003801     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003802     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003803     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003804     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003805     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003806     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003807     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003808     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003809     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003810     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003811     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003812     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003813     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003814     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003815     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003816     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003817     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003818     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003819     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003820     0.000009872      3.49      4.00      3.25
    SRCPARAM L0003821     0.000009872      3.49      4.00      3.25
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    SRCPARAM L0003822      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003823      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003824      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003825      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003826      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003827      0.000009872      3.49      4.00      3.25
**  -----------------------------------------------------------------------
**  LINE VOLUME SOURCE ID = SLINE2
    SRCPARAM L0003828      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003829      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003830      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003831      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003832      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003833      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003834      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003835      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003836      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003837      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003838      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003839      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003840      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003841      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003842      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003843      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003844      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003845      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003846      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003847      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003848      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003849      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003850      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003851      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003852      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003853      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003854      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003855      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003856      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003857      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003858      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003859      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003860      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003861      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003862      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003863      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003864      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003865      0.000009872      3.49      4.00      3.25
    SRCPARAM L0003866      0.000009872      3.49      4.00      3.25
**  -----------------------------------------------------------------------
**  LINE VOLUME SOURCE ID = SLINE3
    SRCPARAM L0002753      0.000003546      3.49      4.00      3.25
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SRCPARAM L0002754    0.000003546    3.49    4.00    3.25
SRCPARAM L0002755    0.000003546    3.49    4.00    3.25
SRCPARAM L0002756    0.000003546    3.49    4.00    3.25
SRCPARAM L0002757    0.000003546    3.49    4.00    3.25
SRCPARAM L0002758    0.000003546    3.49    4.00    3.25
SRCPARAM L0002759    0.000003546    3.49    4.00    3.25
SRCPARAM L0002760    0.000003546    3.49    4.00    3.25
SRCPARAM L0002761    0.000003546    3.49    4.00    3.25
SRCPARAM L0002762    0.000003546    3.49    4.00    3.25
SRCPARAM L0002763    0.000003546    3.49    4.00    3.25
SRCPARAM L0002764    0.000003546    3.49    4.00    3.25
SRCPARAM L0002765    0.000003546    3.49    4.00    3.25
SRCPARAM L0002766    0.000003546    3.49    4.00    3.25
SRCPARAM L0002767    0.000003546    3.49    4.00    3.25
SRCPARAM L0002768    0.000003546    3.49    4.00    3.25
SRCPARAM L0002769    0.000003546    3.49    4.00    3.25
SRCPARAM L0002770    0.000003546    3.49    4.00    3.25
SRCPARAM L0002771    0.000003546    3.49    4.00    3.25
SRCPARAM L0002772    0.000003546    3.49    4.00    3.25
SRCPARAM L0002773    0.000003546    3.49    4.00    3.25
SRCPARAM L0002774    0.000003546    3.49    4.00    3.25
SRCPARAM L0002775    0.000003546    3.49    4.00    3.25
SRCPARAM L0002776    0.000003546    3.49    4.00    3.25
SRCPARAM L0002777    0.000003546    3.49    4.00    3.25
SRCPARAM L0002778    0.000003546    3.49    4.00    3.25
SRCPARAM L0002779    0.000003546    3.49    4.00    3.25
SRCPARAM L0002780    0.000003546    3.49    4.00    3.25
SRCPARAM L0002781    0.000003546    3.49    4.00    3.25
SRCPARAM L0002782    0.000003546    3.49    4.00    3.25
SRCPARAM L0002783    0.000003546    3.49    4.00    3.25
SRCPARAM L0002784    0.000003546    3.49    4.00    3.25
SRCPARAM L0002785    0.000003546    3.49    4.00    3.25
SRCPARAM L0002786    0.000003546    3.49    4.00    3.25
SRCPARAM L0002787    0.000003546    3.49    4.00    3.25
SRCPARAM L0002788    0.000003546    3.49    4.00    3.25
SRCPARAM L0002789    0.000003546    3.49    4.00    3.25
SRCPARAM L0002790    0.000003546    3.49    4.00    3.25
SRCPARAM L0002791    0.000003546    3.49    4.00    3.25
SRCPARAM L0002792    0.000003546    3.49    4.00    3.25
SRCPARAM L0002793    0.000003546    3.49    4.00    3.25
SRCPARAM L0002794    0.000003546    3.49    4.00    3.25
SRCPARAM L0002795    0.000003546    3.49    4.00    3.25
SRCPARAM L0002796    0.000003546    3.49    4.00    3.25
SRCPARAM L0002797    0.000003546    3.49    4.00    3.25
SRCPARAM L0002798    0.000003546    3.49    4.00    3.25
SRCPARAM L0002799    0.000003546    3.49    4.00    3.25
SRCPARAM L0002800    0.000003546    3.49    4.00    3.25
SRCPARAM L0002801    0.000003546    3.49    4.00    3.25
SRCPARAM L0002802    0.000003546    3.49    4.00    3.25
SRCPARAM L0002803    0.000003546    3.49    4.00    3.25
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SRCPARAM L0002804        0.000003546      3.49      4.00      3.25
SRCPARAM L0002805        0.000003546      3.49      4.00      3.25
SRCPARAM L0002806        0.000003546      3.49      4.00      3.25
SRCPARAM L0002807        0.000003546      3.49      4.00      3.25
SRCPARAM L0002808        0.000003546      3.49      4.00      3.25
SRCPARAM L0002809        0.000003546      3.49      4.00      3.25
SRCPARAM L0002810        0.000003546      3.49      4.00      3.25
SRCPARAM L0002811        0.000003546      3.49      4.00      3.25
SRCPARAM L0002812        0.000003546      3.49      4.00      3.25
SRCPARAM L0002813        0.000003546      3.49      4.00      3.25
SRCPARAM L0002814        0.000003546      3.49      4.00      3.25
SRCPARAM L0002815        0.000003546      3.49      4.00      3.25
SRCPARAM L0002816        0.000003546      3.49      4.00      3.25
SRCPARAM L0002817        0.000003546      3.49      4.00      3.25
SRCPARAM L0002818        0.000003546      3.49      4.00      3.25
SRCPARAM L0002819        0.000003546      3.49      4.00      3.25
SRCPARAM L0002820        0.000003546      3.49      4.00      3.25
SRCPARAM L0002821        0.000003546      3.49      4.00      3.25
SRCPARAM L0002822        0.000003546      3.49      4.00      3.25
SRCPARAM L0002823        0.000003546      3.49      4.00      3.25
SRCPARAM L0002824        0.000003546      3.49      4.00      3.25
SRCPARAM L0002825        0.000003546      3.49      4.00      3.25
SRCPARAM L0002826        0.000003546      3.49      4.00      3.25
SRCPARAM L0002827        0.000003546      3.49      4.00      3.25
SRCPARAM L0002828        0.000003546      3.49      4.00      3.25
SRCPARAM L0002829        0.000003546      3.49      4.00      3.25
SRCPARAM L0002830        0.000003546      3.49      4.00      3.25
SRCPARAM L0002831        0.000003546      3.49      4.00      3.25
SRCPARAM L0002832        0.000003546      3.49      4.00      3.25
SRCPARAM L0002833        0.000003546      3.49      4.00      3.25
SRCPARAM L0002834        0.000003546      3.49      4.00      3.25
SRCPARAM L0002835        0.000003546      3.49      4.00      3.25
SRCPARAM L0002836        0.000003546      3.49      4.00      3.25
SRCPARAM L0002837        0.000003546      3.49      4.00      3.25
SRCPARAM L0002838        0.000003546      3.49      4.00      3.25
SRCPARAM L0002839        0.000003546      3.49      4.00      3.25
SRCPARAM L0002840        0.000003546      3.49      4.00      3.25
SRCPARAM L0002841        0.000003546      3.49      4.00      3.25
SRCPARAM L0002842        0.000003546      3.49      4.00      3.25
SRCPARAM L0002843        0.000003546      3.49      4.00      3.25
SRCPARAM L0002844        0.000003546      3.49      4.00      3.25
SRCPARAM L0002845        0.000003546      3.49      4.00      3.25
SRCPARAM L0002846        0.000003546      3.49      4.00      3.25
SRCPARAM L0002847        0.000003546      3.49      4.00      3.25
SRCPARAM L0002848        0.000003546      3.49      4.00      3.25
SRCPARAM L0002849        0.000003546      3.49      4.00      3.25
SRCPARAM L0002850        0.000003546      3.49      4.00      3.25
SRCPARAM L0002851        0.000003546      3.49      4.00      3.25
SRCPARAM L0002852        0.000003546      3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE4
   SRCPARAM L0002853    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002854    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002855    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002856    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002857    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002858    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002859    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002860    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002861    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002862    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002863    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002864    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002865    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002866    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002867    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002868    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002869    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002870    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002871    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002872    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002873    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002874    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002875    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002876    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002877    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002878    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002879    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002880    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002881    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002882    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002883    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002884    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002885    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002886    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002887    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002888    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002889    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002890    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002891    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002892    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002893    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002894    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002895    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002896    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002897    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002898    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002899    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002900    0.000003545    3.49    4.00    3.25
   SRCPARAM L0002901    0.000003545    3.49    4.00    3.25
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SRCPARAM L0002902       0.000003545       3.49       4.00       3.25
SRCPARAM L0002903       0.000003545       3.49       4.00       3.25
SRCPARAM L0002904       0.000003545       3.49       4.00       3.25
SRCPARAM L0002905       0.000003545       3.49       4.00       3.25
SRCPARAM L0002906       0.000003545       3.49       4.00       3.25
SRCPARAM L0002907       0.000003545       3.49       4.00       3.25
SRCPARAM L0002908       0.000003545       3.49       4.00       3.25
SRCPARAM L0002909       0.000003545       3.49       4.00       3.25
SRCPARAM L0002910       0.000003545       3.49       4.00       3.25
SRCPARAM L0002911       0.000003545       3.49       4.00       3.25
SRCPARAM L0002912       0.000003545       3.49       4.00       3.25
SRCPARAM L0002913       0.000003545       3.49       4.00       3.25
SRCPARAM L0002914       0.000003545       3.49       4.00       3.25
SRCPARAM L0002915       0.000003545       3.49       4.00       3.25
SRCPARAM L0002916       0.000003545       3.49       4.00       3.25
SRCPARAM L0002917       0.000003545       3.49       4.00       3.25
SRCPARAM L0002918       0.000003545       3.49       4.00       3.25
SRCPARAM L0002919       0.000003545       3.49       4.00       3.25
SRCPARAM L0002920       0.000003545       3.49       4.00       3.25
SRCPARAM L0002921       0.000003545       3.49       4.00       3.25
SRCPARAM L0002922       0.000003545       3.49       4.00       3.25
SRCPARAM L0002923       0.000003545       3.49       4.00       3.25
SRCPARAM L0002924       0.000003545       3.49       4.00       3.25
SRCPARAM L0002925       0.000003545       3.49       4.00       3.25
SRCPARAM L0002926       0.000003545       3.49       4.00       3.25
SRCPARAM L0002927       0.000003545       3.49       4.00       3.25
SRCPARAM L0002928       0.000003545       3.49       4.00       3.25
SRCPARAM L0002929       0.000003545       3.49       4.00       3.25
SRCPARAM L0002930       0.000003545       3.49       4.00       3.25
SRCPARAM L0002931       0.000003545       3.49       4.00       3.25
SRCPARAM L0002932       0.000003545       3.49       4.00       3.25
SRCPARAM L0002933       0.000003545       3.49       4.00       3.25
SRCPARAM L0002934       0.000003545       3.49       4.00       3.25
SRCPARAM L0002935       0.000003545       3.49       4.00       3.25
SRCPARAM L0002936       0.000003545       3.49       4.00       3.25
SRCPARAM L0002937       0.000003545       3.49       4.00       3.25
SRCPARAM L0002938       0.000003545       3.49       4.00       3.25
SRCPARAM L0002939       0.000003545       3.49       4.00       3.25
SRCPARAM L0002940       0.000003545       3.49       4.00       3.25
SRCPARAM L0002941       0.000003545       3.49       4.00       3.25
SRCPARAM L0002942       0.000003545       3.49       4.00       3.25
SRCPARAM L0002943       0.000003545       3.49       4.00       3.25
SRCPARAM L0002944       0.000003545       3.49       4.00       3.25
SRCPARAM L0002945       0.000003545       3.49       4.00       3.25
SRCPARAM L0002946       0.000003545       3.49       4.00       3.25
SRCPARAM L0002947       0.000003545       3.49       4.00       3.25
SRCPARAM L0002948       0.000003545       3.49       4.00       3.25
SRCPARAM L0002949       0.000003545       3.49       4.00       3.25
SRCPARAM L0002950       0.000003545       3.49       4.00       3.25
SRCPARAM L0002951       0.000003545       3.49       4.00       3.25
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   SRCPARAM L0002952      0.000003545      3.49      4.00      3.25
   SRCPARAM L0002953      0.000003545      3.49      4.00      3.25
   SRCPARAM L0002954      0.000003545      3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE5
   SRCPARAM L0002955      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002956      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002957      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002958      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002959      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002960      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002961      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002962      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002963      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002964      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002965      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002966      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002967      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002968      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002969      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002970      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002971      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002972      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002973      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002974      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002975      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002976      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002977      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002978      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002979      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002980      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002981      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002982      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002983      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002984      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002985      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002986      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002987      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002988      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002989      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002990      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002991      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002992      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002993      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002994      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002995      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002996      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002997      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002998      0.00000004448    3.49      4.00      3.25
   SRCPARAM L0002999      0.00000004448    3.49      4.00      3.25
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   SRCPARAM L0003000        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003001        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003002        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003003        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003004        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003005        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003006        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003007        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003008        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003009        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003010        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003011        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003012        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003013        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003014        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003015        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003016        0.0000004448         3.49      4.00      3.25
   SRCPARAM L0003017        0.0000004448         3.49      4.00      3.25
   SRCPARAM L0003018        0.0000004448         3.49      4.00      3.25
   SRCPARAM L0003019        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003020        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003021        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003022        0.0000004448         3.49      4.00      3.25
   SRCPARAM L0003023        0.0000004448         3.49      4.00      3.25
   SRCPARAM L0003024        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003025        0.0000004448         3.49      4.00      3.25
   SRCPARAM L0003026        0.0000004448         3.49      4.00      3.25
   SRCPARAM L0003027        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003028        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003029        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003030        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003031        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003032        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003033        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003034        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003035        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003036        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003037        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003038        0.00000004448        3.49      4.00      3.25
   SRCPARAM L0003039        0.00000004448        3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE6
   SRCPARAM L0003040        0.0000008258         3.49      4.00      3.25
   SRCPARAM L0003041        0.0000008258         3.49      4.00      3.25
   SRCPARAM L0003042        0.0000008258         3.49      4.00      3.25
   SRCPARAM L0003043        0.0000008258         3.49      4.00      3.25
   SRCPARAM L0003044        0.0000008258         3.49      4.00      3.25
   SRCPARAM L0003045        0.0000008258         3.49      4.00      3.25
   SRCPARAM L0003046        0.0000008258         3.49      4.00      3.25
   SRCPARAM L0003047        0.0000008258         3.49      4.00      3.25
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SRCPARAM L0003048    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003049    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003050    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003051    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003052    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003053    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003054    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003055    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003056    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003057    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003058    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003059    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003060    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003061    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003062    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003063    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003064    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003065    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003066    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003067    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003068    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003069    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003070    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003071    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003072    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003073    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003074    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003075    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003076    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003077    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003078    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003079    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003080    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003081    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003082    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003083    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003084    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003085    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003086    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003087    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003088    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003089    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003090    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003091    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003092    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003093    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003094    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003095    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003096    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003097    0.0000008258    3.49    4.00    3.25
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SRCPARAM L0003098     0.0000008258     3.49     4.00     3.25
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SRCPARAM L0003100     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003101     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003102     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003103     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003104     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003105     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003106     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003107     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003108     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003109     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003110     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003111     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003112     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003113     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003114     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003115     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003116     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003117     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003118     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003119     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003120     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003121     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003122     0.0000008258     3.49     4.00     3.25
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SRCPARAM L0003125     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003126     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003127     0.0000008258     3.49     4.00     3.25
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SRCPARAM L0003132     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003133     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003134     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003135     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003136     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003137     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003138     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003139     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003140     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003141     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003142     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003143     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003144     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003145     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003146     0.0000008258     3.49     4.00     3.25
SRCPARAM L0003147     0.0000008258     3.49     4.00     3.25
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SRCPARAM L0003148    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003149    0.0000008258    3.49    4.00    3.25
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SRCPARAM L0003155    0.0000008258    3.49    4.00    3.25
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SRCPARAM L0003157    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003158    0.0000008258    3.49    4.00    3.25
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SRCPARAM L0003160    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003161    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003162    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003163    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003164    0.0000008258    3.49    4.00    3.25
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SRCPARAM L0003166    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003167    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003168    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003169    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003170    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003171    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003172    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003173    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003174    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003175    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003176    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003177    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003178    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003179    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003180    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003181    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003182    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003183    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003184    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003185    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003186    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003187    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003188    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003189    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003190    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003191    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003192    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003193    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003194    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003195    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003196    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003197    0.0000008258    3.49    4.00    3.25
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SRCPARAM L0003198    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003199    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003200    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003201    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003202    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003203    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003204    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003205    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003206    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003207    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003208    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003209    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003210    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003211    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003212    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003213    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003214    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003215    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003216    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003217    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003218    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003219    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003220    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003221    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003222    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003223    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003224    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003225    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003226    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003227    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003228    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003229    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003230    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003231    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003232    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003233    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003234    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003235    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003236    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003237    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003238    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003239    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003240    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003241    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003242    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003243    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003244    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003245    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003246    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003247    0.0000008258    3.49    4.00    3.25
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SRCPARAM L0003250    0.0000008258    3.49    4.00    3.25
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SRCPARAM L0003252    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003253    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003254    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003255    0.0000008258    3.49    4.00    3.25
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SRCPARAM L0003257    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003258    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003259    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003260    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003261    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003262    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003263    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003264    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003265    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003266    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003267    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003268    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003269    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003270    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003271    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003272    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003273    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003274    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003275    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003276    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003277    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003278    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003279    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003280    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003281    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003282    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003283    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003284    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003285    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003286    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003287    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003288    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003289    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003290    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003291    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003292    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003293    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003294    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003295    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003296    0.0000008258    3.49    4.00    3.25
SRCPARAM L0003297    0.0000008258    3.49    4.00    3.25
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SRCPARAM L0003298      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003299      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003300      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003301      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003302      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003303      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003304      0.0000008258      3.49      4.00      3.25
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SRCPARAM L0003309      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003310      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003311      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003312      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003313      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003314      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003315      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003316      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003317      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003318      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003319      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003320      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003321      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003322      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003323      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003324      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003325      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003326      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003327      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003328      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003329      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003330      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003331      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003332      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003333      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003334      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003335      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003336      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003337      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003338      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003339      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003340      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003341      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003342      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003343      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003344      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003345      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003346      0.0000008258      3.49      4.00      3.25
SRCPARAM L0003347      0.0000008258      3.49      4.00      3.25
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    SRCPARAM L0003348       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003349       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003350       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003351       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003352       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003353       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003354       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003355       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003356       0.0000008258        3.49        4.00        3.25
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    SRCPARAM L0003358       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003359       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003360       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003361       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003362       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003363       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003364       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003365       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003366       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003367       0.0000008258        3.49        4.00        3.25
    SRCPARAM L0003368       0.0000008258        3.49        4.00        3.25
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** LINE VOLUME SOURCE ID = SLINE7
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    SRCPARAM L0003370       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003371       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003372       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003373       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003374       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003375       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003376       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003377       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003378       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003379       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003380       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003381       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003382       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003383       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003384       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003385       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003386       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003387       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003388       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003389       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003390       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003391       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003392       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003393       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003394       0.00000004364       3.49        4.00        3.25
    SRCPARAM L0003395       0.00000004364       3.49        4.00        3.25
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   SRCPARAM L0003396      0.00000004364      3.49      4.00      3.25
   SRCPARAM L0003397      0.00000004364      3.49      4.00      3.25
   SRCPARAM L0003398      0.00000004364      3.49      4.00      3.25
   SRCPARAM L0003399      0.00000004364      3.49      4.00      3.25
   SRCPARAM L0003400      0.00000004364      3.49      4.00      3.25
   SRCPARAM L0003401      0.00000004364      3.49      4.00      3.25
   SRCPARAM L0003402      0.00000004364      3.49      4.00      3.25
   SRCPARAM L0003403      0.00000004364      3.49      4.00      3.25
   SRCPARAM L0003404      0.00000004364      3.49      4.00      3.25
   SRCPARAM L0003405      0.00000004364      3.49      4.00      3.25
   SRCPARAM L0003406      0.00000004364      3.49      4.00      3.25
   SRCPARAM L0003407      0.00000004364      3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE8
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   SRCPARAM L0003409      0.0000008257      3.49      4.00      3.25
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   SRCPARAM L0003411      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003412      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003413      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003414      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003415      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003416      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003417      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003418      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003419      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003420      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003421      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003422      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003423      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003424      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003425      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003426      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003427      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003428      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003429      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003430      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003431      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003432      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003433      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003434      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003435      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003436      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003437      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003438      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003439      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003440      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003441      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003442      0.0000008257      3.49      4.00      3.25
   SRCPARAM L0003443      0.0000008257      3.49      4.00      3.25
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SRCPARAM L0003445    0.0000008257    3.49    4.00    3.25
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SRCPARAM L0003447    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003448    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003449    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003450    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003451    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003452    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003453    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003454    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003455    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003456    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003457    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003458    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003459    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003460    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003461    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003462    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003463    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003464    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003465    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003466    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003467    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003468    0.0000008257    3.49    4.00    3.25
SRCPARAM L0003469    0.0000008257    3.49    4.00    3.25
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    SRCPARAM L0003760      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003761      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003762      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003763      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003764      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003765      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003766      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003767      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003768      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003769      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003770      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003771      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003772      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003773      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003774      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003775      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003776      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003777      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003778      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003779      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003780      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003781      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003782      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003783      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003784      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003785      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003786      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003787      0.0000008257      3.49      4.00      3.25
    SRCPARAM L0003788      0.0000008257      3.49      4.00      3.25
**  ----------------------------------------------------------------
    URBANSRC ALL
    SRCGROUP ALL
SO FINISHED
**
```

```
**************************************
** AERMOD RECEPTOR PATHWAY
**************************************
**
**
RE STARTING
   INCLUDED "13302 HRA.ROU"
RE FINISHED
**
**************************************
** AERMOD METEOROLOGY PATHWAY
**************************************
**
**
ME STARTING
   SURFFILE 723825RR.SFC
   PROFFILE 723825RR.PFL
   SURFDATA 23131 2010
   UAIRDATA 3120 2010
   PROFBASE 879.4 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
** AUTO-GENERATED PLOTFILES
   PLOTFILE   ANNUAL ALL "13302 HRA.AD\AN00GALL.PLT" 31
   SUMMFILE "13302 HRA.SUM"
OU FINISHED

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                       ***   13:34:26

                                   PAGE   1
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY
  ***
 -
 -

**Model Is Setup For Calculation of Average CONCentration Values.

   --   DEPOSITION LOGIC   --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 1114 Source(s),
   for Total of   1 Urban Area(s):
   Urban Population =   2035210.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

 **This Run Includes: 1114 Source(s);   1 Source Group(s); and   20
Receptor(s)

                with: 0 POINT(s), including
                           0 POINTCAP(s) and   0 POINTHOR(s)
                and: 1114 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                 m for Missing
Hours
                                                                 b for Both Calm
and Missing Hours

 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   879.40 ; Decay
Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =   4.0 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: 13302 HRA.ERR

 **File for Summary of Results: 13302 HRA.SUM

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                           ***   13:34:26

                           PAGE   2
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** VOLUME SOURCE DATA ***

            NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - -

 L0003789   0   0.98720E-05 463443.1 3810581.9 1068.0   3.49   4.00
3.25   YES
 L0003790   0   0.98720E-05 463451.7 3810581.7 1067.9   3.49   4.00

```
3.25     YES
  L0003791        0   0.98720E-05   463460.3 3810581.6  1067.8     3.49     4.00
3.25     YES
  L0003792        0   0.98720E-05   463468.9 3810581.5  1067.8     3.49     4.00
3.25     YES
  L0003793        0   0.98720E-05   463477.5 3810581.3  1067.7     3.49     4.00
3.25     YES
  L0003794        0   0.98720E-05   463486.1 3810581.2  1067.6     3.49     4.00
3.25     YES
  L0003795        0   0.98720E-05   463494.7 3810581.1  1067.5     3.49     4.00
3.25     YES
  L0003796        0   0.98720E-05   463503.3 3810580.9  1067.5     3.49     4.00
3.25     YES
  L0003797        0   0.98720E-05   463511.9 3810580.8  1067.4     3.49     4.00
3.25     YES
  L0003798        0   0.98720E-05   463520.4 3810580.7  1067.3     3.49     4.00
3.25     YES
  L0003799        0   0.98720E-05   463529.0 3810580.5  1067.3     3.49     4.00
3.25     YES
  L0003800        0   0.98720E-05   463537.6 3810580.4  1067.2     3.49     4.00
3.25     YES
  L0003801        0   0.98720E-05   463546.2 3810580.2  1067.1     3.49     4.00
3.25     YES
  L0003802        0   0.98720E-05   463554.8 3810580.1  1067.0     3.49     4.00
3.25     YES
  L0003803        0   0.98720E-05   463563.4 3810580.0  1067.0     3.49     4.00
3.25     YES
  L0003804        0   0.98720E-05   463572.0 3810579.8  1066.9     3.49     4.00
3.25     YES
  L0003805        0   0.98720E-05   463580.6 3810579.7  1066.8     3.49     4.00
3.25     YES
  L0003806        0   0.98720E-05   463589.2 3810579.6  1066.8     3.49     4.00
3.25     YES
  L0003807        0   0.98720E-05   463597.7 3810579.4  1066.7     3.49     4.00
3.25     YES
  L0003808        0   0.98720E-05   463606.3 3810579.3  1066.6     3.49     4.00
3.25     YES
  L0003809        0   0.98720E-05   463614.9 3810579.2  1066.5     3.49     4.00
3.25     YES
  L0003810        0   0.98720E-05   463623.5 3810579.0  1066.5     3.49     4.00
3.25     YES
  L0003811        0   0.98720E-05   463632.1 3810578.9  1066.4     3.49     4.00
3.25     YES
  L0003812        0   0.98720E-05   463640.7 3810578.8  1066.3     3.49     4.00
3.25     YES
  L0003813        0   0.98720E-05   463649.3 3810578.6  1066.3     3.49     4.00
3.25     YES
  L0003814        0   0.98720E-05   463657.9 3810578.5  1066.2     3.49     4.00
3.25     YES
  L0003815        0   0.98720E-05   463666.5 3810578.4  1066.1     3.49     4.00
```

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3.25     YES
 L0003816          0   0.98720E-05   463675.0 3810578.2  1066.1      3.49      4.00
3.25     YES
 L0003817          0   0.98720E-05   463683.6 3810578.1  1066.0      3.49      4.00
3.25     YES
 L0003818          0   0.98720E-05   463692.2 3810577.9  1065.9      3.49      4.00
3.25     YES
 L0003819          0   0.98720E-05   463700.8 3810577.8  1065.8      3.49      4.00
3.25     YES
 L0003820          0   0.98720E-05   463709.4 3810577.7  1065.8      3.49      4.00
3.25     YES
 L0003821          0   0.98720E-05   463718.0 3810577.5  1065.7      3.49      4.00
3.25     YES
 L0003822          0   0.98720E-05   463726.6 3810577.4  1065.6      3.49      4.00
3.25     YES
 L0003823          0   0.98720E-05   463735.2 3810577.3  1065.6      3.49      4.00
3.25     YES
 L0003824          0   0.98720E-05   463743.8 3810577.1  1065.5      3.49      4.00
3.25     YES
 L0003825          0   0.98720E-05   463752.3 3810577.0  1065.4      3.49      4.00
3.25     YES
 L0003826          0   0.98720E-05   463760.9 3810576.9  1065.3      3.49      4.00
3.25     YES
 L0003827          0   0.98720E-05   463769.5 3810576.7  1065.3      3.49      4.00
3.25     YES
 L0003828          0   0.98720E-05   463439.4 3810520.6  1069.0      3.49      4.00
3.25     YES
```

↟ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                      ***   13:34:26

                              PAGE   3
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                                         *** VOLUME SOURCE DATA ***

```
              NUMBER EMISSION RATE                  BASE    RELEASE     INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE     PART.  (GRAMS/SEC)     X        Y     ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
    ID        CATS.                (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)           BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 L0003829          0   0.98720E-05   463448.0 3810520.5  1068.9      3.49      4.00
3.25     YES
 L0003830          0   0.98720E-05   463456.6 3810520.4  1068.8      3.49      4.00
```

```
3.25     YES
  L0003831         0   0.98720E-05  463465.2 3810520.3  1068.7      3.49      4.00
3.25     YES
  L0003832         0   0.98720E-05  463473.8 3810520.2  1068.7      3.49      4.00
3.25     YES
  L0003833         0   0.98720E-05  463482.4 3810520.0  1068.6      3.49      4.00
3.25     YES
  L0003834         0   0.98720E-05  463491.0 3810519.9  1068.5      3.49      4.00
3.25     YES
  L0003835         0   0.98720E-05  463499.6 3810519.8  1068.4      3.49      4.00
3.25     YES
  L0003836         0   0.98720E-05  463508.2 3810519.7  1068.3      3.49      4.00
3.25     YES
  L0003837         0   0.98720E-05  463516.7 3810519.6  1068.3      3.49      4.00
3.25     YES
  L0003838         0   0.98720E-05  463525.3 3810519.5  1068.2      3.49      4.00
3.25     YES
  L0003839         0   0.98720E-05  463533.9 3810519.4  1068.1      3.49      4.00
3.25     YES
  L0003840         0   0.98720E-05  463542.5 3810519.3  1068.0      3.49      4.00
3.25     YES
  L0003841         0   0.98720E-05  463551.1 3810519.2  1068.0      3.49      4.00
3.25     YES
  L0003842         0   0.98720E-05  463559.7 3810519.1  1067.9      3.49      4.00
3.25     YES
  L0003843         0   0.98720E-05  463568.3 3810519.0  1067.8      3.49      4.00
3.25     YES
  L0003844         0   0.98720E-05  463576.9 3810518.9  1067.7      3.49      4.00
3.25     YES
  L0003845         0   0.98720E-05  463585.5 3810518.8  1067.7      3.49      4.00
3.25     YES
  L0003846         0   0.98720E-05  463594.1 3810518.6  1067.6      3.49      4.00
3.25     YES
  L0003847         0   0.98720E-05  463602.6 3810518.5  1067.5      3.49      4.00
3.25     YES
  L0003848         0   0.98720E-05  463611.2 3810518.4  1067.4      3.49      4.00
3.25     YES
  L0003849         0   0.98720E-05  463619.8 3810518.3  1067.4      3.49      4.00
3.25     YES
  L0003850         0   0.98720E-05  463628.4 3810518.2  1067.3      3.49      4.00
3.25     YES
  L0003851         0   0.98720E-05  463637.0 3810518.1  1067.2      3.49      4.00
3.25     YES
  L0003852         0   0.98720E-05  463645.6 3810518.0  1067.1      3.49      4.00
3.25     YES
  L0003853         0   0.98720E-05  463654.2 3810517.9  1067.0      3.49      4.00
3.25     YES
  L0003854         0   0.98720E-05  463662.8 3810517.8  1067.0      3.49      4.00
3.25     YES
  L0003855         0   0.98720E-05  463671.4 3810517.7  1066.9      3.49      4.00
```

```
3.25    YES
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3.25    YES
 L0003857         0   0.98720E-05  463688.5 3810517.5  1066.8     3.49     4.00
3.25    YES
 L0003858         0   0.98720E-05  463697.1 3810517.4  1066.7     3.49     4.00
3.25    YES
 L0003859         0   0.98720E-05  463705.7 3810517.2  1066.6     3.49     4.00
3.25    YES
 L0003860         0   0.98720E-05  463714.3 3810517.1  1066.5     3.49     4.00
3.25    YES
 L0003861         0   0.98720E-05  463722.9 3810517.0  1066.4     3.49     4.00
3.25    YES
 L0003862         0   0.98720E-05  463731.5 3810516.9  1066.4     3.49     4.00
3.25    YES
 L0003863         0   0.98720E-05  463740.1 3810516.8  1066.3     3.49     4.00
3.25    YES
 L0003864         0   0.98720E-05  463748.7 3810516.7  1066.2     3.49     4.00
3.25    YES
 L0003865         0   0.98720E-05  463757.2 3810516.6  1066.1     3.49     4.00
3.25    YES
 L0003866         0   0.98720E-05  463765.8 3810516.5  1066.1     3.49     4.00
3.25    YES
 L0002753         0   0.35460E-05  463401.0 3810745.1  1066.0     3.49     4.00
3.25    YES
 L0002754         0   0.35460E-05  463398.8 3810736.8  1066.0     3.49     4.00
3.25    YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                         ***   13:34:26

                              PAGE   4
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
    ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
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```
 L0002755         0   0.35460E-05  463396.7 3810728.5  1066.0     3.49     4.00
3.25    YES
 L0002756         0   0.35460E-05  463392.4 3810721.2  1066.1     3.49     4.00
```

```
3.25     YES
  L0002757        0   0.35460E-05   463387.5 3810714.1  1066.3      3.49      4.00
3.25     YES
  L0002758        0   0.35460E-05   463382.6 3810707.1  1066.4      3.49      4.00
3.25     YES
  L0002759        0   0.35460E-05   463377.6 3810700.1  1066.6      3.49      4.00
3.25     YES
  L0002760        0   0.35460E-05   463375.0 3810692.2  1066.7      3.49      4.00
3.25     YES
  L0002761        0   0.35460E-05   463374.4 3810683.6  1066.9      3.49      4.00
3.25     YES
  L0002762        0   0.35460E-05   463373.8 3810675.1  1067.0      3.49      4.00
3.25     YES
  L0002763        0   0.35460E-05   463373.3 3810666.5  1067.2      3.49      4.00
3.25     YES
  L0002764        0   0.35460E-05   463372.7 3810657.9  1067.3      3.49      4.00
3.25     YES
  L0002765        0   0.35460E-05   463372.1 3810649.4  1067.5      3.49      4.00
3.25     YES
  L0002766        0   0.35460E-05   463371.6 3810640.8  1067.7      3.49      4.00
3.25     YES
  L0002767        0   0.35460E-05   463371.1 3810632.2  1067.8      3.49      4.00
3.25     YES
  L0002768        0   0.35460E-05   463371.0 3810623.6  1067.9      3.49      4.00
3.25     YES
  L0002769        0   0.35460E-05   463370.9 3810615.0  1067.9      3.49      4.00
3.25     YES
  L0002770        0   0.35460E-05   463370.8 3810606.4  1068.0      3.49      4.00
3.25     YES
  L0002771        0   0.35460E-05   463370.6 3810597.9  1068.1      3.49      4.00
3.25     YES
  L0002772        0   0.35460E-05   463370.5 3810589.3  1068.2      3.49      4.00
3.25     YES
  L0002773        0   0.35460E-05   463370.4 3810580.7  1068.2      3.49      4.00
3.25     YES
  L0002774        0   0.35460E-05   463374.6 3810573.5  1068.6      3.49      4.00
3.25     YES
  L0002775        0   0.35460E-05   463380.6 3810568.1  1069.0      3.49      4.00
3.25     YES
  L0002776        0   0.35460E-05   463389.2 3810567.1  1068.8      3.49      4.00
3.25     YES
  L0002777        0   0.35460E-05   463397.7 3810566.0  1068.6      3.49      4.00
3.25     YES
  L0002778        0   0.35460E-05   463406.2 3810565.0  1068.4      3.49      4.00
3.25     YES
  L0002779        0   0.35460E-05   463414.8 3810564.6  1068.3      3.49      4.00
3.25     YES
  L0002780        0   0.35460E-05   463423.4 3810564.6  1068.3      3.49      4.00
3.25     YES
  L0002781        0   0.35460E-05   463432.0 3810564.5  1068.2      3.49      4.00
```

```
3.25     YES
 L0002782        0   0.35460E-05  463440.6 3810564.5  1068.1    3.49    4.00
3.25     YES
 L0002783        0   0.35460E-05  463449.1 3810564.4  1068.1    3.49    4.00
3.25     YES
 L0002784        0   0.35460E-05  463457.7 3810564.4  1068.0    3.49    4.00
3.25     YES
 L0002785        0   0.35460E-05  463466.3 3810564.3  1067.9    3.49    4.00
3.25     YES
 L0002786        0   0.35460E-05  463474.9 3810564.3  1067.8    3.49    4.00
3.25     YES
 L0002787        0   0.35460E-05  463483.5 3810564.2  1067.8    3.49    4.00
3.25     YES
 L0002788        0   0.35460E-05  463492.1 3810564.2  1067.7    3.49    4.00
3.25     YES
 L0002789        0   0.35460E-05  463500.7 3810564.1  1067.6    3.49    4.00
3.25     YES
 L0002790        0   0.35460E-05  463509.3 3810564.1  1067.6    3.49    4.00
3.25     YES
 L0002791        0   0.35460E-05  463517.9 3810564.0  1067.5    3.49    4.00
3.25     YES
 L0002792        0   0.35460E-05  463526.5 3810564.0  1067.4    3.49    4.00
3.25     YES
 L0002793        0   0.35460E-05  463535.0 3810563.9  1067.4    3.49    4.00
3.25     YES
 L0002794        0   0.35460E-05  463543.6 3810563.9  1067.3    3.49    4.00
3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                    ***   13:34:26

                    PAGE   5
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                    *** VOLUME SOURCE DATA ***

```
             NUMBER EMISSION RATE                 BASE    RELEASE    INIT.
INIT.   URBAN EMISSION RATE
   SOURCE     PART. (GRAMS/SEC)    X        Y     ELEV.   HEIGHT     SY
SZ    SOURCE  SCALAR VARY
    ID        CATS.             (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)          BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 L0002795        0   0.35460E-05  463552.2 3810563.8  1067.2    3.49    4.00
3.25     YES
 L0002796        0   0.35460E-05  463560.8 3810563.8  1067.1    3.49    4.00
```

```
3.25      YES
  L0002797          0   0.35460E-05   463569.4 3810563.7  1067.1      3.49      4.00
3.25      YES
  L0002798          0   0.35460E-05   463578.0 3810563.7  1067.0      3.49      4.00
3.25      YES
  L0002799          0   0.35460E-05   463586.6 3810563.6  1066.9      3.49      4.00
3.25      YES
  L0002800          0   0.35460E-05   463595.2 3810563.6  1066.9      3.49      4.00
3.25      YES
  L0002801          0   0.35460E-05   463603.8 3810563.5  1066.8      3.49      4.00
3.25      YES
  L0002802          0   0.35460E-05   463612.4 3810563.4  1066.7      3.49      4.00
3.25      YES
  L0002803          0   0.35460E-05   463620.9 3810563.4  1066.7      3.49      4.00
3.25      YES
  L0002804          0   0.35460E-05   463629.5 3810563.3  1066.6      3.49      4.00
3.25      YES
  L0002805          0   0.35460E-05   463638.1 3810563.3  1066.5      3.49      4.00
3.25      YES
  L0002806          0   0.35460E-05   463646.7 3810563.2  1066.5      3.49      4.00
3.25      YES
  L0002807          0   0.35460E-05   463655.3 3810563.2  1066.4      3.49      4.00
3.25      YES
  L0002808          0   0.35460E-05   463663.9 3810563.1  1066.3      3.49      4.00
3.25      YES
  L0002809          0   0.35460E-05   463672.5 3810563.1  1066.2      3.49      4.00
3.25      YES
  L0002810          0   0.35460E-05   463681.1 3810563.0  1066.2      3.49      4.00
3.25      YES
  L0002811          0   0.35460E-05   463689.7 3810563.0  1066.1      3.49      4.00
3.25      YES
  L0002812          0   0.35460E-05   463698.3 3810562.9  1066.0      3.49      4.00
3.25      YES
  L0002813          0   0.35460E-05   463706.8 3810562.9  1066.0      3.49      4.00
3.25      YES
  L0002814          0   0.35460E-05   463715.4 3810562.8  1065.9      3.49      4.00
3.25      YES
  L0002815          0   0.35460E-05   463724.0 3810562.8  1065.8      3.49      4.00
3.25      YES
  L0002816          0   0.35460E-05   463732.6 3810562.7  1065.8      3.49      4.00
3.25      YES
  L0002817          0   0.35460E-05   463741.2 3810562.7  1065.7      3.49      4.00
3.25      YES
  L0002818          0   0.35460E-05   463749.8 3810562.6  1065.6      3.49      4.00
3.25      YES
  L0002819          0   0.35460E-05   463758.4 3810562.6  1065.5      3.49      4.00
3.25      YES
  L0002820          0   0.35460E-05   463767.0 3810562.5  1065.5      3.49      4.00
3.25      YES
  L0002821          0   0.35460E-05   463775.6 3810562.5  1065.4      3.49      4.00
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 3.25     YES
 L0002822          0   0.35460E-05  463784.1 3810562.4  1065.3     3.49     4.00
 3.25     YES
 L0002823          0   0.35460E-05  463792.7 3810562.4  1065.3     3.49     4.00
 3.25     YES
 L0002824          0   0.35460E-05  463801.3 3810562.3  1065.2     3.49     4.00
 3.25     YES
 L0002825          0   0.35460E-05  463809.9 3810562.3  1065.1     3.49     4.00
 3.25     YES
 L0002826          0   0.35460E-05  463818.5 3810562.2  1065.1     3.49     4.00
 3.25     YES
 L0002827          0   0.35460E-05  463827.1 3810562.2  1065.0     3.49     4.00
 3.25     YES
 L0002828          0   0.35460E-05  463835.7 3810562.1  1064.9     3.49     4.00
 3.25     YES
 L0002829          0   0.35460E-05  463844.3 3810562.0  1064.8     3.49     4.00
 3.25     YES
 L0002830          0   0.35460E-05  463852.9 3810562.0  1064.8     3.49     4.00
 3.25     YES
 L0002831          0   0.35460E-05  463861.5 3810561.9  1064.7     3.49     4.00
 3.25     YES
 L0002832          0   0.35460E-05  463870.0 3810561.9  1064.6     3.49     4.00
 3.25     YES
 L0002833          0   0.35460E-05  463878.6 3810561.8  1064.6     3.49     4.00
 3.25     YES
 L0002834          0   0.35460E-05  463886.0 3810563.0  1064.5     3.49     4.00
 3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
  *** AERMET - VERSION 14134 ***   ***
                          ***   13:34:26

                                  PAGE   6
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                                               *** VOLUME SOURCE DATA ***

	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.	URBAN EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -

 L0002835          0   0.35460E-05  463885.9 3810571.6  1064.4     3.49     4.00
 3.25     YES
 L0002836          0   0.35460E-05  463885.9 3810580.2  1064.2     3.49     4.00
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3.25      YES
  L0002837          0   0.35460E-05   463885.8 3810588.8   1064.1      3.49      4.00
3.25      YES
  L0002838          0   0.35460E-05   463885.7 3810597.4   1064.0      3.49      4.00
3.25      YES
  L0002839          0   0.35460E-05   463885.7 3810606.0   1063.8      3.49      4.00
3.25      YES
  L0002840          0   0.35460E-05   463885.6 3810614.6   1063.7      3.49      4.00
3.25      YES
  L0002841          0   0.35460E-05   463885.5 3810623.2   1063.5      3.49      4.00
3.25      YES
  L0002842          0   0.35460E-05   463885.5 3810631.7   1063.4      3.49      4.00
3.25      YES
  L0002843          0   0.35460E-05   463885.4 3810640.3   1063.3      3.49      4.00
3.25      YES
  L0002844          0   0.35460E-05   463885.3 3810648.9   1063.1      3.49      4.00
3.25      YES
  L0002845          0   0.35460E-05   463885.3 3810657.5   1063.0      3.49      4.00
3.25      YES
  L0002846          0   0.35460E-05   463885.2 3810666.1   1062.9      3.49      4.00
3.25      YES
  L0002847          0   0.35460E-05   463885.1 3810674.7   1062.7      3.49      4.00
3.25      YES
  L0002848          0   0.35460E-05   463885.1 3810683.3   1062.6      3.49      4.00
3.25      YES
  L0002849          0   0.35460E-05   463885.0 3810691.9   1062.5      3.49      4.00
3.25      YES
  L0002850          0   0.35460E-05   463884.9 3810700.5   1062.3      3.49      4.00
3.25      YES
  L0002851          0   0.35460E-05   463884.9 3810709.1   1062.2      3.49      4.00
3.25      YES
  L0002852          0   0.35460E-05   463884.8 3810717.6   1062.1      3.49      4.00
3.25      YES
  L0002853          0   0.35450E-05   463392.0 3810359.2   1071.8      3.49      4.00
3.25      YES
  L0002854          0   0.35450E-05   463391.5 3810367.7   1071.4      3.49      4.00
3.25      YES
  L0002855          0   0.35450E-05   463390.9 3810376.3   1071.0      3.49      4.00
3.25      YES
  L0002856          0   0.35450E-05   463383.0 3810379.0   1071.0      3.49      4.00
3.25      YES
  L0002857          0   0.35450E-05   463374.7 3810381.4   1071.0      3.49      4.00
3.25      YES
  L0002858          0   0.35450E-05   463366.5 3810383.9   1071.1      3.49      4.00
3.25      YES
  L0002859          0   0.35450E-05   463359.6 3810388.8   1071.1      3.49      4.00
3.25      YES
  L0002860          0   0.35450E-05   463353.1 3810394.4   1071.2      3.49      4.00
3.25      YES
  L0002861          0   0.35450E-05   463348.3 3810400.7   1071.2      3.49      4.00
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3.25     YES
 L0002862         0   0.35450E-05  463348.3 3810409.3  1071.1     3.49     4.00
3.25     YES
 L0002863         0   0.35450E-05  463348.3 3810417.9  1071.1     3.49     4.00
3.25     YES
 L0002864         0   0.35450E-05  463348.3 3810426.5  1071.1     3.49     4.00
3.25     YES
 L0002865         0   0.35450E-05  463348.3 3810435.1  1071.0     3.49     4.00
3.25     YES
 L0002866         0   0.35450E-05  463348.6 3810443.7  1070.9     3.49     4.00
3.25     YES
 L0002867         0   0.35450E-05  463349.2 3810452.3  1070.7     3.49     4.00
3.25     YES
 L0002868         0   0.35450E-05  463349.8 3810460.8  1070.5     3.49     4.00
3.25     YES
 L0002869         0   0.35450E-05  463350.4 3810469.4  1070.3     3.49     4.00
3.25     YES
 L0002870         0   0.35450E-05  463351.1 3810478.0  1070.2     3.49     4.00
3.25     YES
 L0002871         0   0.35450E-05  463351.7 3810486.5  1070.0     3.49     4.00
3.25     YES
 L0002872         0   0.35450E-05  463352.3 3810495.1  1069.8     3.49     4.00
3.25     YES
 L0002873         0   0.35450E-05  463352.9 3810503.7  1069.6     3.49     4.00
3.25     YES
 L0002874         0   0.35450E-05  463353.5 3810512.2  1069.4     3.49     4.00
3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                     ***   13:34:26

                              PAGE   7
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                        *** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002875	0	0.35450E-05	463354.1	3810520.8	1069.2	3.49	4.00	3.25	YES	
L0002876	0	0.35450E-05	463356.2	3810528.3	1069.1	3.49	4.00			

```
3.25     YES
  L0002877        0   0.35450E-05   463364.0 3810531.9  1069.1     3.49     4.00
3.25     YES
  L0002878        0   0.35450E-05   463371.8 3810535.5  1069.1     3.49     4.00
3.25     YES
  L0002879        0   0.35450E-05   463380.3 3810535.9  1069.1     3.49     4.00
3.25     YES
  L0002880        0   0.35450E-05   463388.9 3810536.0  1069.1     3.49     4.00
3.25     YES
  L0002881        0   0.35450E-05   463397.5 3810536.0  1069.1     3.49     4.00
3.25     YES
  L0002882        0   0.35450E-05   463406.1 3810536.1  1069.1     3.49     4.00
3.25     YES
  L0002883        0   0.35450E-05   463414.7 3810536.2  1069.0     3.49     4.00
3.25     YES
  L0002884        0   0.35450E-05   463423.3 3810536.2  1069.0     3.49     4.00
3.25     YES
  L0002885        0   0.35450E-05   463431.9 3810536.3  1069.0     3.49     4.00
3.25     YES
  L0002886        0   0.35450E-05   463440.4 3810536.2  1068.9     3.49     4.00
3.25     YES
  L0002887        0   0.35450E-05   463449.0 3810536.1  1068.9     3.49     4.00
3.25     YES
  L0002888        0   0.35450E-05   463457.6 3810536.0  1068.8     3.49     4.00
3.25     YES
  L0002889        0   0.35450E-05   463466.2 3810535.9  1068.7     3.49     4.00
3.25     YES
  L0002890        0   0.35450E-05   463474.8 3810535.8  1068.6     3.49     4.00
3.25     YES
  L0002891        0   0.35450E-05   463483.4 3810535.7  1068.5     3.49     4.00
3.25     YES
  L0002892        0   0.35450E-05   463492.0 3810535.6  1068.5     3.49     4.00
3.25     YES
  L0002893        0   0.35450E-05   463500.6 3810535.4  1068.4     3.49     4.00
3.25     YES
  L0002894        0   0.35450E-05   463509.2 3810535.3  1068.3     3.49     4.00
3.25     YES
  L0002895        0   0.35450E-05   463517.8 3810535.2  1068.2     3.49     4.00
3.25     YES
  L0002896        0   0.35450E-05   463526.3 3810535.1  1068.2     3.49     4.00
3.25     YES
  L0002897        0   0.35450E-05   463534.9 3810535.0  1068.1     3.49     4.00
3.25     YES
  L0002898        0   0.35450E-05   463543.5 3810534.9  1068.0     3.49     4.00
3.25     YES
  L0002899        0   0.35450E-05   463552.1 3810534.8  1067.9     3.49     4.00
3.25     YES
  L0002900        0   0.35450E-05   463560.7 3810534.7  1067.9     3.49     4.00
3.25     YES
  L0002901        0   0.35450E-05   463569.3 3810534.6  1067.8     3.49     4.00
```

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3.25    YES
 L0002902       0   0.35450E-05  463577.9 3810534.4  1067.7     3.49     4.00
3.25    YES
 L0002903       0   0.35450E-05  463586.5 3810534.3  1067.6     3.49     4.00
3.25    YES
 L0002904       0   0.35450E-05  463595.1 3810534.2  1067.5     3.49     4.00
3.25    YES
 L0002905       0   0.35450E-05  463603.6 3810534.1  1067.5     3.49     4.00
3.25    YES
 L0002906       0   0.35450E-05  463612.2 3810534.0  1067.4     3.49     4.00
3.25    YES
 L0002907       0   0.35450E-05  463620.8 3810533.9  1067.3     3.49     4.00
3.25    YES
 L0002908       0   0.35450E-05  463629.4 3810533.8  1067.2     3.49     4.00
3.25    YES
 L0002909       0   0.35450E-05  463638.0 3810533.7  1067.2     3.49     4.00
3.25    YES
 L0002910       0   0.35450E-05  463646.6 3810533.5  1067.1     3.49     4.00
3.25    YES
 L0002911       0   0.35450E-05  463655.2 3810533.4  1067.0     3.49     4.00
3.25    YES
 L0002912       0   0.35450E-05  463663.8 3810533.3  1066.9     3.49     4.00
3.25    YES
 L0002913       0   0.35450E-05  463672.4 3810533.2  1066.9     3.49     4.00
3.25    YES
 L0002914       0   0.35450E-05  463680.9 3810533.1  1066.8     3.49     4.00
3.25    YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                           ***   13:34:26

                          PAGE   8
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                                          *** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

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 L0002915       0   0.35450E-05  463689.5 3810533.0  1066.7     3.49     4.00
3.25    YES
 L0002916       0   0.35450E-05  463698.1 3810532.9  1066.6     3.49     4.00
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3.25     YES
  L0002917      0   0.35450E-05   463706.7 3810532.8  1066.6     3.49     4.00
3.25     YES
  L0002918      0   0.35450E-05   463715.3 3810532.7  1066.5     3.49     4.00
3.25     YES
  L0002919      0   0.35450E-05   463723.9 3810532.5  1066.4     3.49     4.00
3.25     YES
  L0002920      0   0.35450E-05   463732.5 3810532.4  1066.3     3.49     4.00
3.25     YES
  L0002921      0   0.35450E-05   463741.1 3810532.3  1066.2     3.49     4.00
3.25     YES
  L0002922      0   0.35450E-05   463749.7 3810532.2  1066.2     3.49     4.00
3.25     YES
  L0002923      0   0.35450E-05   463758.2 3810532.1  1066.1     3.49     4.00
3.25     YES
  L0002924      0   0.35450E-05   463766.8 3810532.0  1066.0     3.49     4.00
3.25     YES
  L0002925      0   0.35450E-05   463775.4 3810531.9  1065.9     3.49     4.00
3.25     YES
  L0002926      0   0.35450E-05   463784.0 3810531.8  1065.9     3.49     4.00
3.25     YES
  L0002927      0   0.35450E-05   463792.6 3810531.7  1065.8     3.49     4.00
3.25     YES
  L0002928      0   0.35450E-05   463801.2 3810531.5  1065.7     3.49     4.00
3.25     YES
  L0002929      0   0.35450E-05   463809.8 3810531.4  1065.6     3.49     4.00
3.25     YES
  L0002930      0   0.35450E-05   463818.4 3810531.3  1065.6     3.49     4.00
3.25     YES
  L0002931      0   0.35450E-05   463827.0 3810531.2  1065.5     3.49     4.00
3.25     YES
  L0002932      0   0.35450E-05   463835.6 3810531.1  1065.4     3.49     4.00
3.25     YES
  L0002933      0   0.35450E-05   463844.1 3810531.0  1065.3     3.49     4.00
3.25     YES
  L0002934      0   0.35450E-05   463852.7 3810530.9  1065.2     3.49     4.00
3.25     YES
  L0002935      0   0.35450E-05   463861.3 3810530.8  1065.2     3.49     4.00
3.25     YES
  L0002936      0   0.35450E-05   463869.9 3810530.6  1065.1     3.49     4.00
3.25     YES
  L0002937      0   0.35450E-05   463878.5 3810530.5  1065.0     3.49     4.00
3.25     YES
  L0002938      0   0.35450E-05   463885.4 3810528.8  1065.0     3.49     4.00
3.25     YES
  L0002939      0   0.35450E-05   463885.4 3810520.2  1065.1     3.49     4.00
3.25     YES
  L0002940      0   0.35450E-05   463885.4 3810511.6  1065.3     3.49     4.00
3.25     YES
  L0002941      0   0.35450E-05   463885.4 3810503.0  1065.4     3.49     4.00
```

```
3.25     YES
 L0002942        0   0.35450E-05  463885.4 3810494.4  1065.5     3.49     4.00
3.25     YES
 L0002943        0   0.35450E-05  463885.4 3810485.8  1065.6     3.49     4.00
3.25     YES
 L0002944        0   0.35450E-05  463885.4 3810477.2  1065.7     3.49     4.00
3.25     YES
 L0002945        0   0.35450E-05  463885.4 3810468.6  1065.9     3.49     4.00
3.25     YES
 L0002946        0   0.35450E-05  463885.4 3810460.1  1066.0     3.49     4.00
3.25     YES
 L0002947        0   0.35450E-05  463885.4 3810451.5  1066.1     3.49     4.00
3.25     YES
 L0002948        0   0.35450E-05  463885.4 3810442.9  1066.2     3.49     4.00
3.25     YES
 L0002949        0   0.35450E-05  463885.4 3810434.3  1066.3     3.49     4.00
3.25     YES
 L0002950        0   0.35450E-05  463885.4 3810425.7  1066.5     3.49     4.00
3.25     YES
 L0002951        0   0.35450E-05  463885.4 3810417.1  1066.6     3.49     4.00
3.25     YES
 L0002952        0   0.35450E-05  463885.4 3810408.5  1066.7     3.49     4.00
3.25     YES
 L0002953        0   0.35450E-05  463885.4 3810399.9  1066.8     3.49     4.00
3.25     YES
 L0002954        0   0.35450E-05  463885.4 3810391.3  1066.9     3.49     4.00
3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                       ***   13:34:26

                               PAGE   9
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                                        *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
    ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - -

```
 L0002955        0   0.44480E-07  463291.4 3810974.1  1064.2     3.49     4.00
3.25     YES
 L0002956        0   0.44480E-07  463291.4 3810965.6  1064.3     3.49     4.00
```

```
3.25     YES
 L0002957         0   0.44480E-07  463291.4 3810957.0  1064.4      3.49      4.00
3.25     YES
 L0002958         0   0.44480E-07  463291.4 3810948.4  1064.4      3.49      4.00
3.25     YES
 L0002959         0   0.44480E-07  463291.4 3810939.8  1064.5      3.49      4.00
3.25     YES
 L0002960         0   0.44480E-07  463291.3 3810931.2  1064.6      3.49      4.00
3.25     YES
 L0002961         0   0.44480E-07  463291.3 3810922.6  1064.6      3.49      4.00
3.25     YES
 L0002962         0   0.44480E-07  463291.3 3810914.0  1064.7      3.49      4.00
3.25     YES
 L0002963         0   0.44480E-07  463291.3 3810905.4  1064.8      3.49      4.00
3.25     YES
 L0002964         0   0.44480E-07  463291.3 3810896.8  1064.9      3.49      4.00
3.25     YES
 L0002965         0   0.44480E-07  463291.2 3810888.3  1064.9      3.49      4.00
3.25     YES
 L0002966         0   0.44480E-07  463291.2 3810879.7  1065.0      3.49      4.00
3.25     YES
 L0002967         0   0.44480E-07  463291.2 3810871.1  1065.1      3.49      4.00
3.25     YES
 L0002968         0   0.44480E-07  463291.1 3810862.5  1065.3      3.49      4.00
3.25     YES
 L0002969         0   0.44480E-07  463291.0 3810853.9  1065.4      3.49      4.00
3.25     YES
 L0002970         0   0.44480E-07  463291.0 3810845.3  1065.5      3.49      4.00
3.25     YES
 L0002971         0   0.44480E-07  463290.9 3810836.7  1065.6      3.49      4.00
3.25     YES
 L0002972         0   0.44480E-07  463290.9 3810828.1  1065.8      3.49      4.00
3.25     YES
 L0002973         0   0.44480E-07  463290.8 3810819.5  1065.9      3.49      4.00
3.25     YES
 L0002974         0   0.44480E-07  463290.8 3810810.9  1066.0      3.49      4.00
3.25     YES
 L0002975         0   0.44480E-07  463290.7 3810802.4  1066.1      3.49      4.00
3.25     YES
 L0002976         0   0.44480E-07  463290.7 3810793.8  1066.3      3.49      4.00
3.25     YES
 L0002977         0   0.44480E-07  463290.6 3810785.2  1066.4      3.49      4.00
3.25     YES
 L0002978         0   0.44480E-07  463290.5 3810776.6  1066.5      3.49      4.00
3.25     YES
 L0002979         0   0.44480E-07  463290.5 3810768.0  1066.6      3.49      4.00
3.25     YES
 L0002980         0   0.44480E-07  463290.4 3810759.4  1066.8      3.49      4.00
3.25     YES
 L0002981         0   0.44480E-07  463290.4 3810750.8  1066.9      3.49      4.00
```

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3.25     YES
  L0002982        0   0.44480E-07  463290.3 3810742.2  1067.0     3.49     4.00
3.25     YES
  L0002983        0   0.44480E-07  463290.3 3810733.6  1067.1     3.49     4.00
3.25     YES
  L0002984        0   0.44480E-07  463290.2 3810725.0  1067.2     3.49     4.00
3.25     YES
  L0002985        0   0.44480E-07  463290.1 3810716.5  1067.3     3.49     4.00
3.25     YES
  L0002986        0   0.44480E-07  463290.1 3810707.9  1067.4     3.49     4.00
3.25     YES
  L0002987        0   0.44480E-07  463290.0 3810699.3  1067.5     3.49     4.00
3.25     YES
  L0002988        0   0.44480E-07  463290.0 3810690.7  1067.6     3.49     4.00
3.25     YES
  L0002989        0   0.44480E-07  463289.9 3810682.1  1067.7     3.49     4.00
3.25     YES
  L0002990        0   0.44480E-07  463289.9 3810673.5  1067.8     3.49     4.00
3.25     YES
  L0002991        0   0.44480E-07  463289.8 3810664.9  1067.9     3.49     4.00
3.25     YES
  L0002992        0   0.44480E-07  463289.7 3810656.3  1068.0     3.49     4.00
3.25     YES
  L0002993        0   0.44480E-07  463289.7 3810647.7  1068.1     3.49     4.00
3.25     YES
  L0002994        0   0.44480E-07  463289.6 3810639.1  1068.2     3.49     4.00
3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                           ***   13:34:26

                                    PAGE 10
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                                                     *** VOLUME SOURCE DATA ***

```
                NUMBER EMISSION RATE                         BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
  SOURCE        PART.  (GRAMS/SEC)      X         Y      ELEV.   HEIGHT     SY
SZ     SOURCE  SCALAR VARY
   ID           CATS.                (METERS)  (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

  L0002995        0   0.44480E-07  463289.5 3810630.6  1068.3     3.49     4.00
3.25     YES
  L0002996        0   0.44480E-07  463289.4 3810622.0  1068.5     3.49     4.00
```

```
3.25     YES
  L0002997        0   0.44480E-07  463289.3 3810613.4  1068.6      3.49      4.00
3.25     YES
  L0002998        0   0.44480E-07  463289.1 3810604.8  1068.8      3.49      4.00
3.25     YES
  L0002999        0   0.44480E-07  463289.0 3810596.2  1068.9      3.49      4.00
3.25     YES
  L0003000        0   0.44480E-07  463288.9 3810587.6  1069.1      3.49      4.00
3.25     YES
  L0003001        0   0.44480E-07  463288.8 3810579.0  1069.2      3.49      4.00
3.25     YES
  L0003002        0   0.44480E-07  463288.7 3810570.4  1069.3      3.49      4.00
3.25     YES
  L0003003        0   0.44480E-07  463288.6 3810561.8  1069.5      3.49      4.00
3.25     YES
  L0003004        0   0.44480E-07  463288.5 3810553.3  1069.6      3.49      4.00
3.25     YES
  L0003005        0   0.44480E-07  463288.4 3810544.7  1069.8      3.49      4.00
3.25     YES
  L0003006        0   0.44480E-07  463288.3 3810536.1  1069.9      3.49      4.00
3.25     YES
  L0003007        0   0.44480E-07  463288.2 3810527.5  1070.1      3.49      4.00
3.25     YES
  L0003008        0   0.44480E-07  463288.0 3810518.9  1070.2      3.49      4.00
3.25     YES
  L0003009        0   0.44480E-07  463287.9 3810510.3  1070.3      3.49      4.00
3.25     YES
  L0003010        0   0.44480E-07  463287.8 3810501.7  1070.5      3.49      4.00
3.25     YES
  L0003011        0   0.44480E-07  463287.7 3810493.1  1070.6      3.49      4.00
3.25     YES
  L0003012        0   0.44480E-07  463287.6 3810484.5  1070.8      3.49      4.00
3.25     YES
  L0003013        0   0.44480E-07  463287.5 3810475.9  1070.9      3.49      4.00
3.25     YES
  L0003014        0   0.44480E-07  463287.4 3810467.4  1071.0      3.49      4.00
3.25     YES
  L0003015        0   0.44480E-07  463287.4 3810458.8  1071.1      3.49      4.00
3.25     YES
  L0003016        0   0.44480E-07  463287.4 3810450.2  1071.2      3.49      4.00
3.25     YES
  L0003017        0   0.44480E-07  463287.3 3810441.6  1071.3      3.49      4.00
3.25     YES
  L0003018        0   0.44480E-07  463287.3 3810433.0  1071.4      3.49      4.00
3.25     YES
  L0003019        0   0.44480E-07  463287.3 3810424.4  1071.4      3.49      4.00
3.25     YES
  L0003020        0   0.44480E-07  463287.2 3810415.8  1071.5      3.49      4.00
3.25     YES
  L0003021        0   0.44480E-07  463287.2 3810407.2  1071.6      3.49      4.00
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3.25    YES
 L0003022         0   0.44480E-07  463287.2 3810398.6  1071.7     3.49     4.00
3.25    YES
 L0003023         0   0.44480E-07  463287.1 3810390.1  1071.8     3.49     4.00
3.25    YES
 L0003024         0   0.44480E-07  463287.1 3810381.5  1071.8     3.49     4.00
3.25    YES
 L0003025         0   0.44480E-07  463287.1 3810372.9  1071.9     3.49     4.00
3.25    YES
 L0003026         0   0.44480E-07  463287.0 3810364.3  1072.0     3.49     4.00
3.25    YES
 L0003027         0   0.44480E-07  463287.0 3810355.7  1072.1     3.49     4.00
3.25    YES
 L0003028         0   0.44480E-07  463292.5 3810352.6  1072.1     3.49     4.00
3.25    YES
 L0003029         0   0.44480E-07  463301.1 3810352.7  1072.1     3.49     4.00
3.25    YES
 L0003030         0   0.44480E-07  463309.7 3810352.7  1072.1     3.49     4.00
3.25    YES
 L0003031         0   0.44480E-07  463318.3 3810352.7  1072.1     3.49     4.00
3.25    YES
 L0003032         0   0.44480E-07  463326.9 3810352.7  1072.0     3.49     4.00
3.25    YES
 L0003033         0   0.44480E-07  463335.5 3810352.7  1072.0     3.49     4.00
3.25    YES
 L0003034         0   0.44480E-07  463344.1 3810352.8  1072.0     3.49     4.00
3.25    YES
```

⬆ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
  *** AERMET - VERSION 14134 ***   ***
                         ***   13:34:26

                              PAGE 11
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                    *** VOLUME SOURCE DATA ***

                  NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
    ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - -

 L0003035   0   0.44480E-07 463352.7 3810352.8 1072.0   3.49   4.00
3.25   YES
 L0003036   0   0.44480E-07 463361.2 3810352.8 1072.0   3.49   4.00

```
3.25      YES
  L0003037          0   0.44480E-07   463369.8 3810352.8  1072.0      3.49      4.00
3.25      YES
  L0003038          0   0.44480E-07   463378.4 3810352.8  1072.0      3.49      4.00
3.25      YES
  L0003039          0   0.44480E-07   463387.0 3810352.8  1071.9      3.49      4.00
3.25      YES
  L0003040          0   0.82580E-06   465179.5 3809549.9  1067.0      3.49      4.00
3.25      YES
  L0003041          0   0.82580E-06   465170.9 3809549.8  1067.1      3.49      4.00
3.25      YES
  L0003042          0   0.82580E-06   465162.3 3809549.7  1067.1      3.49      4.00
3.25      YES
  L0003043          0   0.82580E-06   465153.7 3809549.6  1067.2      3.49      4.00
3.25      YES
  L0003044          0   0.82580E-06   465145.1 3809549.6  1067.2      3.49      4.00
3.25      YES
  L0003045          0   0.82580E-06   465136.5 3809549.5  1067.2      3.49      4.00
3.25      YES
  L0003046          0   0.82580E-06   465128.0 3809549.4  1067.3      3.49      4.00
3.25      YES
  L0003047          0   0.82580E-06   465119.4 3809549.4  1067.3      3.49      4.00
3.25      YES
  L0003048          0   0.82580E-06   465110.8 3809549.3  1067.4      3.49      4.00
3.25      YES
  L0003049          0   0.82580E-06   465102.2 3809549.2  1067.4      3.49      4.00
3.25      YES
  L0003050          0   0.82580E-06   465093.6 3809549.2  1067.5      3.49      4.00
3.25      YES
  L0003051          0   0.82580E-06   465085.0 3809549.1  1067.5      3.49      4.00
3.25      YES
  L0003052          0   0.82580E-06   465076.4 3809549.0  1067.6      3.49      4.00
3.25      YES
  L0003053          0   0.82580E-06   465067.8 3809549.0  1067.6      3.49      4.00
3.25      YES
  L0003054          0   0.82580E-06   465059.2 3809548.9  1067.6      3.49      4.00
3.25      YES
  L0003055          0   0.82580E-06   465050.7 3809548.8  1067.7      3.49      4.00
3.25      YES
  L0003056          0   0.82580E-06   465042.1 3809548.8  1067.7      3.49      4.00
3.25      YES
  L0003057          0   0.82580E-06   465033.5 3809548.7  1067.8      3.49      4.00
3.25      YES
  L0003058          0   0.82580E-06   465024.9 3809548.6  1067.8      3.49      4.00
3.25      YES
  L0003059          0   0.82580E-06   465016.3 3809548.5  1067.9      3.49      4.00
3.25      YES
  L0003060          0   0.82580E-06   465007.7 3809548.5  1067.9      3.49      4.00
3.25      YES
  L0003061          0   0.82580E-06   464999.1 3809548.4  1068.0      3.49      4.00
```

```
3.25     YES
 L0003062         0   0.82580E-06  464990.5 3809548.3  1068.0     3.49     4.00
3.25     YES
 L0003063         0   0.82580E-06  464981.9 3809548.3  1068.0     3.49     4.00
3.25     YES
 L0003064         0   0.82580E-06  464973.3 3809548.2  1068.1     3.49     4.00
3.25     YES
 L0003065         0   0.82580E-06  464964.8 3809548.1  1068.1     3.49     4.00
3.25     YES
 L0003066         0   0.82580E-06  464956.2 3809547.9  1068.2     3.49     4.00
3.25     YES
 L0003067         0   0.82580E-06  464947.6 3809547.7  1068.3     3.49     4.00
3.25     YES
 L0003068         0   0.82580E-06  464939.0 3809547.4  1068.3     3.49     4.00
3.25     YES
 L0003069         0   0.82580E-06  464930.4 3809547.1  1068.4     3.49     4.00
3.25     YES
 L0003070         0   0.82580E-06  464921.8 3809546.9  1068.5     3.49     4.00
3.25     YES
 L0003071         0   0.82580E-06  464913.2 3809546.6  1068.6     3.49     4.00
3.25     YES
 L0003072         0   0.82580E-06  464904.6 3809546.4  1068.6     3.49     4.00
3.25     YES
 L0003073         0   0.82580E-06  464896.1 3809546.1  1068.7     3.49     4.00
3.25     YES
 L0003074         0   0.82580E-06  464887.5 3809545.9  1068.8     3.49     4.00
3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                        ***   13:34:26

                              PAGE 12
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                               *** VOLUME SOURCE DATA ***

                NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
    ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - - -

 L0003075   0   0.82580E-06 464878.9 3809545.6 1068.9   3.49   4.00
3.25   YES
 L0003076   0   0.82580E-06 464870.3 3809545.3 1068.9   3.49   4.00

```
3.25     YES
  L0003077        0   0.82580E-06  464861.7 3809545.1  1069.0      3.49      4.00
3.25     YES
  L0003078        0   0.82580E-06  464853.1 3809544.8  1069.1      3.49      4.00
3.25     YES
  L0003079        0   0.82580E-06  464844.6 3809544.4  1069.2      3.49      4.00
3.25     YES
  L0003080        0   0.82580E-06  464836.0 3809544.1  1069.3      3.49      4.00
3.25     YES
  L0003081        0   0.82580E-06  464827.4 3809543.8  1069.4      3.49      4.00
3.25     YES
  L0003082        0   0.82580E-06  464818.8 3809543.4  1069.5      3.49      4.00
3.25     YES
  L0003083        0   0.82580E-06  464810.2 3809543.1  1069.6      3.49      4.00
3.25     YES
  L0003084        0   0.82580E-06  464801.6 3809542.8  1069.7      3.49      4.00
3.25     YES
  L0003085        0   0.82580E-06  464793.1 3809542.4  1069.8      3.49      4.00
3.25     YES
  L0003086        0   0.82580E-06  464784.5 3809542.1  1070.0      3.49      4.00
3.25     YES
  L0003087        0   0.82580E-06  464775.9 3809542.0  1070.0      3.49      4.00
3.25     YES
  L0003088        0   0.82580E-06  464767.3 3809542.0  1070.1      3.49      4.00
3.25     YES
  L0003089        0   0.82580E-06  464758.7 3809542.0  1070.2      3.49      4.00
3.25     YES
  L0003090        0   0.82580E-06  464750.1 3809542.1  1070.3      3.49      4.00
3.25     YES
  L0003091        0   0.82580E-06  464741.5 3809542.1  1070.3      3.49      4.00
3.25     YES
  L0003092        0   0.82580E-06  464732.9 3809542.2  1070.4      3.49      4.00
3.25     YES
  L0003093        0   0.82580E-06  464724.3 3809542.2  1070.5      3.49      4.00
3.25     YES
  L0003094        0   0.82580E-06  464715.8 3809542.3  1070.5      3.49      4.00
3.25     YES
  L0003095        0   0.82580E-06  464707.2 3809542.3  1070.6      3.49      4.00
3.25     YES
  L0003096        0   0.82580E-06  464698.6 3809542.4  1070.7      3.49      4.00
3.25     YES
  L0003097        0   0.82580E-06  464690.0 3809542.4  1070.8      3.49      4.00
3.25     YES
  L0003098        0   0.82580E-06  464681.4 3809542.5  1070.8      3.49      4.00
3.25     YES
  L0003099        0   0.82580E-06  464672.8 3809542.5  1070.9      3.49      4.00
3.25     YES
  L0003100        0   0.82580E-06  464664.2 3809542.6  1071.0      3.49      4.00
3.25     YES
  L0003101        0   0.82580E-06  464655.6 3809542.6  1071.1      3.49      4.00
```

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3.25    YES
 L0003102        0   0.82580E-06   464647.0 3809542.7  1071.1     3.49     4.00
3.25    YES
 L0003103        0   0.82580E-06   464638.4 3809542.7  1071.2     3.49     4.00
3.25    YES
 L0003104        0   0.82580E-06   464629.9 3809542.8  1071.3     3.49     4.00
3.25    YES
 L0003105        0   0.82580E-06   464621.3 3809542.8  1071.4     3.49     4.00
3.25    YES
 L0003106        0   0.82580E-06   464612.7 3809542.9  1071.4     3.49     4.00
3.25    YES
 L0003107        0   0.82580E-06   464604.1 3809542.9  1071.5     3.49     4.00
3.25    YES
 L0003108        0   0.82580E-06   464595.5 3809543.0  1071.6     3.49     4.00
3.25    YES
 L0003109        0   0.82580E-06   464586.9 3809543.0  1071.6     3.49     4.00
3.25    YES
 L0003110        0   0.82580E-06   464578.3 3809543.1  1071.7     3.49     4.00
3.25    YES
 L0003111        0   0.82580E-06   464569.7 3809543.1  1071.8     3.49     4.00
3.25    YES
 L0003112        0   0.82580E-06   464561.1 3809543.2  1071.9     3.49     4.00
3.25    YES
 L0003113        0   0.82580E-06   464552.5 3809543.2  1072.0     3.49     4.00
3.25    YES
 L0003114        0   0.82580E-06   464544.0 3809543.3  1072.0     3.49     4.00
3.25    YES
```

↑ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302 HRA.ISC   ***   12/17/20

*** AERMET - VERSION 14134 ***   ***
                          ***   13:34:26

```
                                                          *** VOLUME SOURCE DATA ***

                   NUMBER EMISSION RATE                  BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE     PART.  (GRAMS/SEC)     X        Y       ELEV.   HEIGHT     SY
SZ     SOURCE  SCALAR VARY
    ID        CATS.                (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)            BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - -

 L0003115        0   0.82580E-06   464535.4 3809543.3  1072.1     3.49     4.00
3.25    YES
 L0003116        0   0.82580E-06   464526.8 3809543.4  1072.2     3.49     4.00
```

```
3.25     YES
  L0003117        0   0.82580E-06  464518.2 3809543.4  1072.3      3.49      4.00
3.25     YES
  L0003118        0   0.82580E-06  464509.6 3809543.5  1072.4      3.49      4.00
3.25     YES
  L0003119        0   0.82580E-06  464501.0 3809543.5  1072.5      3.49      4.00
3.25     YES
  L0003120        0   0.82580E-06  464492.4 3809543.6  1072.6      3.49      4.00
3.25     YES
  L0003121        0   0.82580E-06  464483.8 3809543.6  1072.7      3.49      4.00
3.25     YES
  L0003122        0   0.82580E-06  464475.2 3809543.7  1072.8      3.49      4.00
3.25     YES
  L0003123        0   0.82580E-06  464466.6 3809543.7  1072.9      3.49      4.00
3.25     YES
  L0003124        0   0.82580E-06  464458.1 3809543.8  1073.0      3.49      4.00
3.25     YES
  L0003125        0   0.82580E-06  464449.5 3809543.8  1073.1      3.49      4.00
3.25     YES
  L0003126        0   0.82580E-06  464440.9 3809543.9  1073.2      3.49      4.00
3.25     YES
  L0003127        0   0.82580E-06  464432.3 3809543.9  1073.3      3.49      4.00
3.25     YES
  L0003128        0   0.82580E-06  464423.7 3809544.0  1073.4      3.49      4.00
3.25     YES
  L0003129        0   0.82580E-06  464415.1 3809544.0  1073.5      3.49      4.00
3.25     YES
  L0003130        0   0.82580E-06  464406.5 3809544.1  1073.6      3.49      4.00
3.25     YES
  L0003131        0   0.82580E-06  464397.9 3809544.1  1073.7      3.49      4.00
3.25     YES
  L0003132        0   0.82580E-06  464389.3 3809544.2  1073.8      3.49      4.00
3.25     YES
  L0003133        0   0.82580E-06  464380.7 3809544.2  1073.9      3.49      4.00
3.25     YES
  L0003134        0   0.82580E-06  464372.2 3809544.3  1074.0      3.49      4.00
3.25     YES
  L0003135        0   0.82580E-06  464363.6 3809544.3  1074.1      3.49      4.00
3.25     YES
  L0003136        0   0.82580E-06  464355.0 3809544.4  1074.2      3.49      4.00
3.25     YES
  L0003137        0   0.82580E-06  464346.4 3809544.4  1074.3      3.49      4.00
3.25     YES
  L0003138        0   0.82580E-06  464337.8 3809544.5  1074.4      3.49      4.00
3.25     YES
  L0003139        0   0.82580E-06  464329.2 3809544.5  1074.5      3.49      4.00
3.25     YES
  L0003140        0   0.82580E-06  464320.6 3809544.6  1074.6      3.49      4.00
3.25     YES
  L0003141        0   0.82580E-06  464312.0 3809544.6  1074.7      3.49      4.00
```

```
 3.25     YES
  L0003142         0   0.82580E-06  464303.4 3809544.7  1074.8      3.49      4.00
 3.25     YES
  L0003143         0   0.82580E-06  464294.8 3809544.7  1074.9      3.49      4.00
 3.25     YES
  L0003144         0   0.82580E-06  464286.3 3809544.8  1075.0      3.49      4.00
 3.25     YES
  L0003145         0   0.82580E-06  464277.7 3809544.8  1075.1      3.49      4.00
 3.25     YES
  L0003146         0   0.82580E-06  464269.1 3809544.9  1075.2      3.49      4.00
 3.25     YES
  L0003147         0   0.82580E-06  464260.5 3809544.9  1075.3      3.49      4.00
 3.25     YES
  L0003148         0   0.82580E-06  464251.9 3809545.0  1075.5      3.49      4.00
 3.25     YES
  L0003149         0   0.82580E-06  464243.3 3809545.0  1075.5      3.49      4.00
 3.25     YES
  L0003150         0   0.82580E-06  464234.7 3809545.1  1075.6      3.49      4.00
 3.25     YES
  L0003151         0   0.82580E-06  464226.1 3809545.1  1075.8      3.49      4.00
 3.25     YES
  L0003152         0   0.82580E-06  464217.5 3809545.2  1075.8      3.49      4.00
 3.25     YES
  L0003153         0   0.82580E-06  464209.0 3809545.2  1076.0      3.49      4.00
 3.25     YES
  L0003154         0   0.82580E-06  464200.4 3809545.3  1076.0      3.49      4.00
 3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                              ***   13:34:26

                                 PAGE 14
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

```
                  NUMBER EMISSION RATE                    BASE     RELEASE     INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE      PART.  (GRAMS/SEC)    X        Y       ELEV.    HEIGHT     SY
SZ     SOURCE  SCALAR VARY
    ID         CATS.                (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)            BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

  L0003155         0   0.82580E-06  464191.8 3809545.3  1076.1      3.49      4.00
 3.25     YES
  L0003156         0   0.82580E-06  464183.2 3809545.4  1076.2      3.49      4.00
```

```
3.25     YES
  L0003157        0   0.82580E-06   464174.6 3809545.4   1076.3       3.49      4.00
3.25     YES
  L0003158        0   0.82580E-06   464166.0 3809545.5   1076.5       3.49      4.00
3.25     YES
  L0003159        0   0.82580E-06   464157.4 3809545.5   1076.5       3.49      4.00
3.25     YES
  L0003160        0   0.82580E-06   464148.8 3809545.6   1076.6       3.49      4.00
3.25     YES
  L0003161        0   0.82580E-06   464140.2 3809545.6   1076.8       3.49      4.00
3.25     YES
  L0003162        0   0.82580E-06   464131.6 3809545.7   1076.8       3.49      4.00
3.25     YES
  L0003163        0   0.82580E-06   464123.1 3809545.7   1077.0       3.49      4.00
3.25     YES
  L0003164        0   0.82580E-06   464114.5 3809545.8   1077.0       3.49      4.00
3.25     YES
  L0003165        0   0.82580E-06   464105.9 3809545.8   1077.1       3.49      4.00
3.25     YES
  L0003166        0   0.82580E-06   464097.3 3809545.8   1077.2       3.49      4.00
3.25     YES
  L0003167        0   0.82580E-06   464088.7 3809545.9   1077.3       3.49      4.00
3.25     YES
  L0003168        0   0.82580E-06   464080.1 3809545.9   1077.5       3.49      4.00
3.25     YES
  L0003169        0   0.82580E-06   464071.5 3809546.0   1077.6       3.49      4.00
3.25     YES
  L0003170        0   0.82580E-06   464062.9 3809546.0   1077.7       3.49      4.00
3.25     YES
  L0003171        0   0.82580E-06   464054.3 3809546.1   1077.8       3.49      4.00
3.25     YES
  L0003172        0   0.82580E-06   464045.7 3809546.1   1077.9       3.49      4.00
3.25     YES
  L0003173        0   0.82580E-06   464037.2 3809546.2   1078.0       3.49      4.00
3.25     YES
  L0003174        0   0.82580E-06   464028.6 3809546.2   1078.1       3.49      4.00
3.25     YES
  L0003175        0   0.82580E-06   464020.0 3809546.3   1078.2       3.49      4.00
3.25     YES
  L0003176        0   0.82580E-06   464011.4 3809546.3   1078.3       3.49      4.00
3.25     YES
  L0003177        0   0.82580E-06   464002.8 3809546.4   1078.3       3.49      4.00
3.25     YES
  L0003178        0   0.82580E-06   463994.2 3809546.5   1078.4       3.49      4.00
3.25     YES
  L0003179        0   0.82580E-06   463985.6 3809546.6   1078.5       3.49      4.00
3.25     YES
  L0003180        0   0.82580E-06   463977.0 3809546.6   1078.6       3.49      4.00
3.25     YES
  L0003181        0   0.82580E-06   463968.4 3809546.7   1078.7       3.49      4.00
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3.25     YES
 L0003182        0   0.82580E-06  463959.8 3809546.8  1078.8     3.49     4.00
3.25     YES
 L0003183        0   0.82580E-06  463951.3 3809546.8  1078.9     3.49     4.00
3.25     YES
 L0003184        0   0.82580E-06  463942.7 3809546.9  1079.0     3.49     4.00
3.25     YES
 L0003185        0   0.82580E-06  463934.1 3809547.0  1079.0     3.49     4.00
3.25     YES
 L0003186        0   0.82580E-06  463925.5 3809547.0  1079.1     3.49     4.00
3.25     YES
 L0003187        0   0.82580E-06  463916.9 3809547.1  1079.2     3.49     4.00
3.25     YES
 L0003188        0   0.82580E-06  463908.3 3809547.2  1079.3     3.49     4.00
3.25     YES
 L0003189        0   0.82580E-06  463899.7 3809547.2  1079.4     3.49     4.00
3.25     YES
 L0003190        0   0.82580E-06  463891.1 3809547.3  1079.5     3.49     4.00
3.25     YES
 L0003191        0   0.82580E-06  463882.5 3809547.4  1079.6     3.49     4.00
3.25     YES
 L0003192        0   0.82580E-06  463873.9 3809547.4  1079.7     3.49     4.00
3.25     YES
 L0003193        0   0.82580E-06  463865.4 3809547.5  1079.8     3.49     4.00
3.25     YES
 L0003194        0   0.82580E-06  463856.8 3809547.6  1079.8     3.49     4.00
3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                           ***   13:34:26

                              PAGE 15
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** VOLUME SOURCE DATA ***

```
             NUMBER EMISSION RATE                 BASE     RELEASE    INIT.
INIT.   URBAN EMISSION RATE
   SOURCE      PART.  (GRAMS/SEC)    X       Y     ELEV.   HEIGHT     SY
SZ    SOURCE  SCALAR VARY
    ID        CATS.              (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)          BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 L0003195        0   0.82580E-06  463848.2 3809547.6  1079.9     3.49     4.00
3.25     YES
 L0003196        0   0.82580E-06  463839.6 3809547.7  1080.0     3.49     4.00
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3.25     YES
  L0003197        0   0.82580E-06   463831.0 3809547.8   1080.1       3.49       4.00
3.25     YES
  L0003198        0   0.82580E-06   463822.4 3809547.8   1080.2       3.49       4.00
3.25     YES
  L0003199        0   0.82580E-06   463813.8 3809547.9   1080.3       3.49       4.00
3.25     YES
  L0003200        0   0.82580E-06   463805.2 3809548.0   1080.4       3.49       4.00
3.25     YES
  L0003201        0   0.82580E-06   463796.6 3809548.0   1080.5       3.49       4.00
3.25     YES
  L0003202        0   0.82580E-06   463788.1 3809548.1   1080.5       3.49       4.00
3.25     YES
  L0003203        0   0.82580E-06   463779.5 3809548.2   1080.6       3.49       4.00
3.25     YES
  L0003204        0   0.82580E-06   463770.9 3809548.3   1080.7       3.49       4.00
3.25     YES
  L0003205        0   0.82580E-06   463762.3 3809548.3   1080.8       3.49       4.00
3.25     YES
  L0003206        0   0.82580E-06   463753.7 3809548.4   1080.9       3.49       4.00
3.25     YES
  L0003207        0   0.82580E-06   463745.1 3809548.5   1081.0       3.49       4.00
3.25     YES
  L0003208        0   0.82580E-06   463736.5 3809548.5   1081.1       3.49       4.00
3.25     YES
  L0003209        0   0.82580E-06   463727.9 3809548.6   1081.2       3.49       4.00
3.25     YES
  L0003210        0   0.82580E-06   463719.3 3809548.7   1081.2       3.49       4.00
3.25     YES
  L0003211        0   0.82580E-06   463710.7 3809548.7   1081.3       3.49       4.00
3.25     YES
  L0003212        0   0.82580E-06   463702.2 3809548.8   1081.4       3.49       4.00
3.25     YES
  L0003213        0   0.82580E-06   463693.6 3809548.9   1081.5       3.49       4.00
3.25     YES
  L0003214        0   0.82580E-06   463685.0 3809548.9   1081.6       3.49       4.00
3.25     YES
  L0003215        0   0.82580E-06   463676.4 3809549.0   1081.7       3.49       4.00
3.25     YES
  L0003216        0   0.82580E-06   463667.8 3809549.1   1081.8       3.49       4.00
3.25     YES
  L0003217        0   0.82580E-06   463659.2 3809549.1   1081.9       3.49       4.00
3.25     YES
  L0003218        0   0.82580E-06   463650.6 3809549.2   1082.0       3.49       4.00
3.25     YES
  L0003219        0   0.82580E-06   463642.0 3809549.3   1082.0       3.49       4.00
3.25     YES
  L0003220        0   0.82580E-06   463633.4 3809549.3   1082.1       3.49       4.00
3.25     YES
  L0003221        0   0.82580E-06   463624.8 3809549.4   1082.2       3.49       4.00
```

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3.25     YES
 L0003222        0   0.82580E-06  463616.3 3809549.5  1082.3     3.49      4.00
3.25     YES
 L0003223        0   0.82580E-06  463607.7 3809549.5  1082.4     3.49      4.00
3.25     YES
 L0003224        0   0.82580E-06  463599.1 3809549.6  1082.5     3.49      4.00
3.25     YES
 L0003225        0   0.82580E-06  463590.5 3809549.7  1082.6     3.49      4.00
3.25     YES
 L0003226        0   0.82580E-06  463581.9 3809549.7  1082.7     3.49      4.00
3.25     YES
 L0003227        0   0.82580E-06  463573.3 3809549.8  1082.8     3.49      4.00
3.25     YES
 L0003228        0   0.82580E-06  463564.7 3809549.9  1082.8     3.49      4.00
3.25     YES
 L0003229        0   0.82580E-06  463556.1 3809549.9  1082.9     3.49      4.00
3.25     YES
 L0003230        0   0.82580E-06  463547.5 3809550.0  1083.0     3.49      4.00
3.25     YES
 L0003231        0   0.82580E-06  463538.9 3809550.1  1083.1     3.49      4.00
3.25     YES
 L0003232        0   0.82580E-06  463530.4 3809550.2  1083.2     3.49      4.00
3.25     YES
 L0003233        0   0.82580E-06  463521.8 3809550.2  1083.3     3.49      4.00
3.25     YES
 L0003234        0   0.82580E-06  463513.2 3809550.3  1083.4     3.49      4.00
3.25     YES
```

⬆ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                          ***   13:34:26

                          PAGE 16
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

```
                                                *** VOLUME SOURCE DATA ***


              NUMBER EMISSION RATE                   BASE    RELEASE     INIT.
INIT.   URBAN EMISSION RATE
   SOURCE     PART.  (GRAMS/SEC)    X        Y     ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
    ID        CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)           BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 L0003235        0   0.82580E-06  463504.6 3809550.4  1083.5     3.49      4.00
3.25     YES
 L0003236        0   0.82580E-06  463496.0 3809550.4  1083.5     3.49      4.00
```

```
3.25    YES
  L0003237        0   0.82580E-06   463487.4 3809550.5  1083.6      3.49      4.00
3.25    YES
  L0003238        0   0.82580E-06   463478.8 3809550.6  1083.7      3.49      4.00
3.25    YES
  L0003239        0   0.82580E-06   463470.2 3809550.6  1083.8      3.49      4.00
3.25    YES
  L0003240        0   0.82580E-06   463461.6 3809550.7  1083.9      3.49      4.00
3.25    YES
  L0003241        0   0.82580E-06   463453.1 3809550.8  1084.0      3.49      4.00
3.25    YES
  L0003242        0   0.82580E-06   463444.5 3809550.8  1084.1      3.49      4.00
3.25    YES
  L0003243        0   0.82580E-06   463435.9 3809550.9  1084.2      3.49      4.00
3.25    YES
  L0003244        0   0.82580E-06   463427.3 3809551.0  1084.2      3.49      4.00
3.25    YES
  L0003245        0   0.82580E-06   463418.7 3809551.0  1084.3      3.49      4.00
3.25    YES
  L0003246        0   0.82580E-06   463410.1 3809551.1  1084.4      3.49      4.00
3.25    YES
  L0003247        0   0.82580E-06   463401.5 3809551.2  1084.5      3.49      4.00
3.25    YES
  L0003248        0   0.82580E-06   463392.9 3809551.2  1084.6      3.49      4.00
3.25    YES
  L0003249        0   0.82580E-06   463384.3 3809551.3  1084.7      3.49      4.00
3.25    YES
  L0003250        0   0.82580E-06   463375.7 3809551.4  1084.8      3.49      4.00
3.25    YES
  L0003251        0   0.82580E-06   463367.2 3809551.4  1084.9      3.49      4.00
3.25    YES
  L0003252        0   0.82580E-06   463358.6 3809551.5  1085.0      3.49      4.00
3.25    YES
  L0003253        0   0.82580E-06   463350.0 3809551.6  1085.0      3.49      4.00
3.25    YES
  L0003254        0   0.82580E-06   463341.4 3809551.6  1085.1      3.49      4.00
3.25    YES
  L0003255        0   0.82580E-06   463332.8 3809551.7  1085.2      3.49      4.00
3.25    YES
  L0003256        0   0.82580E-06   463324.2 3809551.8  1085.3      3.49      4.00
3.25    YES
  L0003257        0   0.82580E-06   463315.6 3809551.9  1085.4      3.49      4.00
3.25    YES
  L0003258        0   0.82580E-06   463307.0 3809551.9  1085.5      3.49      4.00
3.25    YES
  L0003259        0   0.82580E-06   463298.4 3809552.0  1085.6      3.49      4.00
3.25    YES
  L0003260        0   0.82580E-06   463289.8 3809552.1  1085.6      3.49      4.00
3.25    YES
  L0003261        0   0.82580E-06   463281.3 3809552.1  1085.7      3.49      4.00
```

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3.25     YES
 L0003262         0   0.82580E-06  463272.7 3809552.2  1085.8    3.49    4.00
3.25     YES
 L0003263         0   0.82580E-06  463264.1 3809552.3  1085.9    3.49    4.00
3.25     YES
 L0003264         0   0.82580E-06  463255.8 3809552.6  1086.0    3.49    4.00
3.25     YES
 L0003265         0   0.82580E-06  463255.4 3809561.2  1086.0    3.49    4.00
3.25     YES
 L0003266         0   0.82580E-06  463255.0 3809569.8  1086.0    3.49    4.00
3.25     YES
 L0003267         0   0.82580E-06  463254.5 3809578.4  1086.0    3.49    4.00
3.25     YES
 L0003268         0   0.82580E-06  463254.4 3809587.0  1085.9    3.49    4.00
3.25     YES
 L0003269         0   0.82580E-06  463255.2 3809595.5  1085.7    3.49    4.00
3.25     YES
 L0003270         0   0.82580E-06  463256.0 3809604.1  1085.5    3.49    4.00
3.25     YES
 L0003271         0   0.82580E-06  463256.7 3809612.6  1085.3    3.49    4.00
3.25     YES
 L0003272         0   0.82580E-06  463257.5 3809621.2  1085.1    3.49    4.00
3.25     YES
 L0003273         0   0.82580E-06  463258.2 3809629.7  1084.9    3.49    4.00
3.25     YES
 L0003274         0   0.82580E-06  463259.0 3809638.3  1084.7    3.49    4.00
3.25     YES
```

⬆ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                         ***   13:34:26

                               PAGE 17
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                         *** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003275	0	0.82580E-06	463259.7	3809646.8	1084.5	3.49	4.00	3.25	YES	
L0003276	0	0.82580E-06	463260.5	3809655.4	1084.3	3.49	4.00			

```
3.25     YES
  L0003277        0   0.82580E-06  463261.3 3809664.0  1084.2      3.49      4.00
3.25     YES
  L0003278        0   0.82580E-06  463262.1 3809672.5  1084.0      3.49      4.00
3.25     YES
  L0003279        0   0.82580E-06  463262.9 3809681.1  1083.9      3.49      4.00
3.25     YES
  L0003280        0   0.82580E-06  463263.7 3809689.6  1083.8      3.49      4.00
3.25     YES
  L0003281        0   0.82580E-06  463264.6 3809698.2  1083.7      3.49      4.00
3.25     YES
  L0003282        0   0.82580E-06  463265.4 3809706.7  1083.5      3.49      4.00
3.25     YES
  L0003283        0   0.82580E-06  463266.2 3809715.3  1083.4      3.49      4.00
3.25     YES
  L0003284        0   0.82580E-06  463267.0 3809723.8  1083.3      3.49      4.00
3.25     YES
  L0003285        0   0.82580E-06  463267.9 3809732.4  1083.2      3.49      4.00
3.25     YES
  L0003286        0   0.82580E-06  463268.7 3809740.9  1083.0      3.49      4.00
3.25     YES
  L0003287        0   0.82580E-06  463269.5 3809749.5  1082.9      3.49      4.00
3.25     YES
  L0003288        0   0.82580E-06  463270.3 3809758.0  1082.8      3.49      4.00
3.25     YES
  L0003289        0   0.82580E-06  463271.1 3809766.6  1082.7      3.49      4.00
3.25     YES
  L0003290        0   0.82580E-06  463272.0 3809775.1  1082.5      3.49      4.00
3.25     YES
  L0003291        0   0.82580E-06  463272.8 3809783.7  1082.4      3.49      4.00
3.25     YES
  L0003292        0   0.82580E-06  463273.6 3809792.2  1082.3      3.49      4.00
3.25     YES
  L0003293        0   0.82580E-06  463274.4 3809800.8  1082.2      3.49      4.00
3.25     YES
  L0003294        0   0.82580E-06  463275.2 3809809.3  1082.0      3.49      4.00
3.25     YES
  L0003295        0   0.82580E-06  463276.1 3809817.9  1081.9      3.49      4.00
3.25     YES
  L0003296        0   0.82580E-06  463276.9 3809826.4  1081.8      3.49      4.00
3.25     YES
  L0003297        0   0.82580E-06  463277.7 3809835.0  1081.7      3.49      4.00
3.25     YES
  L0003298        0   0.82580E-06  463278.5 3809843.5  1081.5      3.49      4.00
3.25     YES
  L0003299        0   0.82580E-06  463279.4 3809852.1  1081.4      3.49      4.00
3.25     YES
  L0003300        0   0.82580E-06  463280.2 3809860.6  1081.3      3.49      4.00
3.25     YES
  L0003301        0   0.82580E-06  463281.0 3809869.2  1081.2      3.49      4.00
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3.25     YES
 L0003302          0   0.82580E-06   463281.7 3809877.7  1081.0     3.49     4.00
3.25     YES
 L0003303          0   0.82580E-06   463282.4 3809886.3  1080.8     3.49     4.00
3.25     YES
 L0003304          0   0.82580E-06   463283.0 3809894.9  1080.7     3.49     4.00
3.25     YES
 L0003305          0   0.82580E-06   463283.7 3809903.4  1080.5     3.49     4.00
3.25     YES
 L0003306          0   0.82580E-06   463284.3 3809912.0  1080.4     3.49     4.00
3.25     YES
 L0003307          0   0.82580E-06   463285.0 3809920.6  1080.2     3.49     4.00
3.25     YES
 L0003308          0   0.82580E-06   463285.5 3809929.1  1080.0     3.49     4.00
3.25     YES
 L0003309          0   0.82580E-06   463285.8 3809937.7  1079.9     3.49     4.00
3.25     YES
 L0003310          0   0.82580E-06   463286.0 3809946.3  1079.7     3.49     4.00
3.25     YES
 L0003311          0   0.82580E-06   463286.3 3809954.9  1079.6     3.49     4.00
3.25     YES
 L0003312          0   0.82580E-06   463286.5 3809963.5  1079.4     3.49     4.00
3.25     YES
 L0003313          0   0.82580E-06   463286.8 3809972.1  1079.2     3.49     4.00
3.25     YES
 L0003314          0   0.82580E-06   463287.0 3809980.6  1079.1     3.49     4.00
3.25     YES
```

⬆ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                             ***   13:34:26

                                         PAGE 18
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                              *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
    ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - -

 L0003315   0   0.82580E-06   463287.3 3809989.2 1078.9   3.49   4.00
3.25   YES
 L0003316   0   0.82580E-06   463287.5 3809997.8 1078.8   3.49   4.00
```

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3.25     YES
  L0003317        0   0.82580E-06   463287.7 3810006.4  1078.6      3.49      4.00
3.25     YES
  L0003318        0   0.82580E-06   463288.0 3810015.0  1078.4      3.49      4.00
3.25     YES
  L0003319        0   0.82580E-06   463288.2 3810023.6  1078.3      3.49      4.00
3.25     YES
  L0003320        0   0.82580E-06   463288.5 3810032.2  1078.1      3.49      4.00
3.25     YES
  L0003321        0   0.82580E-06   463288.7 3810040.8  1078.0      3.49      4.00
3.25     YES
  L0003322        0   0.82580E-06   463289.0 3810049.3  1077.8      3.49      4.00
3.25     YES
  L0003323        0   0.82580E-06   463289.2 3810057.9  1077.6      3.49      4.00
3.25     YES
  L0003324        0   0.82580E-06   463289.5 3810066.5  1077.5      3.49      4.00
3.25     YES
  L0003325        0   0.82580E-06   463289.6 3810075.1  1077.3      3.49      4.00
3.25     YES
  L0003326        0   0.82580E-06   463289.7 3810083.7  1077.1      3.49      4.00
3.25     YES
  L0003327        0   0.82580E-06   463289.7 3810092.3  1077.0      3.49      4.00
3.25     YES
  L0003328        0   0.82580E-06   463289.7 3810100.9  1076.8      3.49      4.00
3.25     YES
  L0003329        0   0.82580E-06   463289.7 3810109.5  1076.7      3.49      4.00
3.25     YES
  L0003330        0   0.82580E-06   463289.8 3810118.1  1076.5      3.49      4.00
3.25     YES
  L0003331        0   0.82580E-06   463289.8 3810126.6  1076.3      3.49      4.00
3.25     YES
  L0003332        0   0.82580E-06   463289.8 3810135.2  1076.2      3.49      4.00
3.25     YES
  L0003333        0   0.82580E-06   463289.9 3810143.8  1076.0      3.49      4.00
3.25     YES
  L0003334        0   0.82580E-06   463289.9 3810152.4  1075.8      3.49      4.00
3.25     YES
  L0003335        0   0.82580E-06   463289.9 3810161.0  1075.7      3.49      4.00
3.25     YES
  L0003336        0   0.82580E-06   463289.9 3810169.6  1075.5      3.49      4.00
3.25     YES
  L0003337        0   0.82580E-06   463290.0 3810178.2  1075.4      3.49      4.00
3.25     YES
  L0003338        0   0.82580E-06   463290.0 3810186.8  1075.2      3.49      4.00
3.25     YES
  L0003339        0   0.82580E-06   463290.0 3810195.4  1075.0      3.49      4.00
3.25     YES
  L0003340        0   0.82580E-06   463290.0 3810204.0  1074.9      3.49      4.00
3.25     YES
  L0003341        0   0.82580E-06   463290.1 3810212.5  1074.7      3.49      4.00
```

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3.25     YES
 L0003342        0   0.82580E-06  463290.1 3810221.1  1074.6     3.49     4.00
3.25     YES
 L0003343        0   0.82580E-06  463290.1 3810229.7  1074.4     3.49     4.00
3.25     YES
 L0003344        0   0.82580E-06  463290.2 3810238.3  1074.2     3.49     4.00
3.25     YES
 L0003345        0   0.82580E-06  463290.3 3810246.9  1074.1     3.49     4.00
3.25     YES
 L0003346        0   0.82580E-06  463290.5 3810255.5  1073.9     3.49     4.00
3.25     YES
 L0003347        0   0.82580E-06  463290.6 3810264.1  1073.8     3.49     4.00
3.25     YES
 L0003348        0   0.82580E-06  463290.8 3810272.7  1073.6     3.49     4.00
3.25     YES
 L0003349        0   0.82580E-06  463291.0 3810281.3  1073.4     3.49     4.00
3.25     YES
 L0003350        0   0.82580E-06  463291.1 3810289.8  1073.3     3.49     4.00
3.25     YES
 L0003351        0   0.82580E-06  463291.3 3810298.4  1073.1     3.49     4.00
3.25     YES
 L0003352        0   0.82580E-06  463291.4 3810307.0  1072.9     3.49     4.00
3.25     YES
 L0003353        0   0.82580E-06  463291.6 3810315.6  1072.8     3.49     4.00
3.25     YES
 L0003354        0   0.82580E-06  463291.7 3810324.2  1072.6     3.49     4.00
3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                           ***   13:34:26

                              PAGE 19
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                        *** VOLUME SOURCE DATA ***

```
              NUMBER EMISSION RATE                   BASE     RELEASE    INIT.
INIT.   URBAN EMISSION RATE
   SOURCE     PART. (GRAMS/SEC)    X        Y      ELEV.   HEIGHT     SY
SZ     SOURCE  SCALAR VARY
    ID        CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)            BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 L0003355        0   0.82580E-06  463291.9 3810332.8  1072.5     3.49     4.00
3.25     YES
 L0003356        0   0.82580E-06  463292.0 3810341.4  1072.3     3.49     4.00
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3.25      YES
  L0003357      0   0.82580E-06  463292.2 3810350.0  1072.1     3.49     4.00
3.25      YES
  L0003358      0   0.82580E-06  463297.1 3810353.6  1072.0     3.49     4.00
3.25      YES
  L0003359      0   0.82580E-06  463305.7 3810353.6  1072.0     3.49     4.00
3.25      YES
  L0003360      0   0.82580E-06  463314.3 3810353.6  1072.0     3.49     4.00
3.25      YES
  L0003361      0   0.82580E-06  463322.9 3810353.5  1072.0     3.49     4.00
3.25      YES
  L0003362      0   0.82580E-06  463331.5 3810353.5  1072.0     3.49     4.00
3.25      YES
  L0003363      0   0.82580E-06  463340.1 3810353.4  1072.0     3.49     4.00
3.25      YES
  L0003364      0   0.82580E-06  463348.6 3810353.4  1072.0     3.49     4.00
3.25      YES
  L0003365      0   0.82580E-06  463357.2 3810353.3  1072.0     3.49     4.00
3.25      YES
  L0003366      0   0.82580E-06  463365.8 3810353.3  1072.0     3.49     4.00
3.25      YES
  L0003367      0   0.82580E-06  463374.4 3810353.2  1072.0     3.49     4.00
3.25      YES
  L0003368      0   0.82580E-06  463383.0 3810353.2  1072.0     3.49     4.00
3.25      YES
  L0003369      0   0.43640E-07  463401.5 3810758.4  1066.0     3.49     4.00
3.25      YES
  L0003370      0   0.43640E-07  463392.9 3810758.2  1066.0     3.49     4.00
3.25      YES
  L0003371      0   0.43640E-07  463384.3 3810757.9  1066.1     3.49     4.00
3.25      YES
  L0003372      0   0.43640E-07  463375.7 3810757.7  1066.1     3.49     4.00
3.25      YES
  L0003373      0   0.43640E-07  463367.1 3810757.4  1066.1     3.49     4.00
3.25      YES
  L0003374      0   0.43640E-07  463358.6 3810757.2  1066.2     3.49     4.00
3.25      YES
  L0003375      0   0.43640E-07  463350.0 3810756.9  1066.2     3.49     4.00
3.25      YES
  L0003376      0   0.43640E-07  463341.4 3810756.7  1066.2     3.49     4.00
3.25      YES
  L0003377      0   0.43640E-07  463332.8 3810756.4  1066.3     3.49     4.00
3.25      YES
  L0003378      0   0.43640E-07  463324.2 3810756.1  1066.3     3.49     4.00
3.25      YES
  L0003379      0   0.43640E-07  463315.6 3810755.9  1066.3     3.49     4.00
3.25      YES
  L0003380      0   0.43640E-07  463307.0 3810755.6  1066.4     3.49     4.00
3.25      YES
  L0003381      0   0.43640E-07  463298.5 3810755.4  1066.4     3.49     4.00
```

```
3.25     YES
 L0003382        0   0.43640E-07  463295.2 3810760.6  1066.4     3.49     4.00
3.25     YES
 L0003383        0   0.43640E-07  463295.3 3810769.2  1066.3     3.49     4.00
3.25     YES
 L0003384        0   0.43640E-07  463295.4 3810777.8  1066.2     3.49     4.00
3.25     YES
 L0003385        0   0.43640E-07  463295.5 3810786.4  1066.1     3.49     4.00
3.25     YES
 L0003386        0   0.43640E-07  463295.5 3810795.0  1066.0     3.49     4.00
3.25     YES
 L0003387        0   0.43640E-07  463295.6 3810803.5  1065.9     3.49     4.00
3.25     YES
 L0003388        0   0.43640E-07  463295.7 3810812.1  1065.8     3.49     4.00
3.25     YES
 L0003389        0   0.43640E-07  463295.8 3810820.7  1065.7     3.49     4.00
3.25     YES
 L0003390        0   0.43640E-07  463295.9 3810829.3  1065.6     3.49     4.00
3.25     YES
 L0003391        0   0.43640E-07  463296.0 3810837.9  1065.5     3.49     4.00
3.25     YES
 L0003392        0   0.43640E-07  463296.0 3810846.5  1065.4     3.49     4.00
3.25     YES
 L0003393        0   0.43640E-07  463296.1 3810855.1  1065.3     3.49     4.00
3.25     YES
 L0003394        0   0.43640E-07  463296.2 3810863.7  1065.3     3.49     4.00
3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                           ***   13:34:26

                                PAGE 20
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                            *** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

```
 L0003395        0   0.43640E-07  463296.3 3810872.3  1065.2     3.49     4.00
3.25     YES
 L0003396        0   0.43640E-07  463296.4 3810880.9  1065.1     3.49     4.00
```

```
3.25     YES
  L0003397         0   0.43640E-07  463296.5 3810889.4  1065.0      3.49     4.00
3.25     YES
  L0003398         0   0.43640E-07  463296.5 3810898.0  1064.9      3.49     4.00
3.25     YES
  L0003399         0   0.43640E-07  463296.6 3810906.6  1064.8      3.49     4.00
3.25     YES
  L0003400         0   0.43640E-07  463296.7 3810915.2  1064.7      3.49     4.00
3.25     YES
  L0003401         0   0.43640E-07  463296.8 3810923.8  1064.6      3.49     4.00
3.25     YES
  L0003402         0   0.43640E-07  463296.9 3810932.4  1064.5      3.49     4.00
3.25     YES
  L0003403         0   0.43640E-07  463297.0 3810941.0  1064.4      3.49     4.00
3.25     YES
  L0003404         0   0.43640E-07  463297.0 3810949.6  1064.3      3.49     4.00
3.25     YES
  L0003405         0   0.43640E-07  463297.1 3810958.2  1064.2      3.49     4.00
3.25     YES
  L0003406         0   0.43640E-07  463297.2 3810966.8  1064.1      3.49     4.00
3.25     YES
  L0003407         0   0.43640E-07  463297.3 3810975.3  1064.1      3.49     4.00
3.25     YES
  L0003408         0   0.82570E-06  463397.8 3810758.1  1066.0      3.49     4.00
3.25     YES
  L0003409         0   0.82570E-06  463389.2 3810758.0  1066.0      3.49     4.00
3.25     YES
  L0003410         0   0.82570E-06  463380.6 3810757.9  1066.1      3.49     4.00
3.25     YES
  L0003411         0   0.82570E-06  463372.0 3810757.7  1066.1      3.49     4.00
3.25     YES
  L0003412         0   0.82570E-06  463363.4 3810757.6  1066.2      3.49     4.00
3.25     YES
  L0003413         0   0.82570E-06  463354.9 3810757.5  1066.2      3.49     4.00
3.25     YES
  L0003414         0   0.82570E-06  463346.3 3810757.3  1066.2      3.49     4.00
3.25     YES
  L0003415         0   0.82570E-06  463337.7 3810757.2  1066.3      3.49     4.00
3.25     YES
  L0003416         0   0.82570E-06  463329.1 3810757.1  1066.3      3.49     4.00
3.25     YES
  L0003417         0   0.82570E-06  463320.5 3810757.0  1066.3      3.49     4.00
3.25     YES
  L0003418         0   0.82570E-06  463311.9 3810756.8  1066.4      3.49     4.00
3.25     YES
  L0003419         0   0.82570E-06  463303.3 3810756.7  1066.4      3.49     4.00
3.25     YES
  L0003420         0   0.82570E-06  463294.7 3810756.6  1066.4      3.49     4.00
3.25     YES
  L0003421         0   0.82570E-06  463289.9 3810752.7  1066.5      3.49     4.00
```

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3.25    YES
  L0003422        0    0.82570E-06  463289.9 3810744.1  1066.6    3.49    4.00
3.25    YES
  L0003423        0    0.82570E-06  463289.8 3810735.5  1066.8    3.49    4.00
3.25    YES
  L0003424        0    0.82570E-06  463289.7 3810726.9  1066.9    3.49    4.00
3.25    YES
  L0003425        0    0.82570E-06  463289.7 3810718.3  1067.0    3.49    4.00
3.25    YES
  L0003426        0    0.82570E-06  463289.6 3810709.8  1067.2    3.49    4.00
3.25    YES
  L0003427        0    0.82570E-06  463289.6 3810701.2  1067.3    3.49    4.00
3.25    YES
  L0003428        0    0.82570E-06  463289.5 3810692.6  1067.4    3.49    4.00
3.25    YES
  L0003429        0    0.82570E-06  463289.5 3810684.0  1067.6    3.49    4.00
3.25    YES
  L0003430        0    0.82570E-06  463289.4 3810675.4  1067.7    3.49    4.00
3.25    YES
  L0003431        0    0.82570E-06  463289.4 3810666.8  1067.8    3.49    4.00
3.25    YES
  L0003432        0    0.82570E-06  463289.3 3810658.2  1068.0    3.49    4.00
3.25    YES
  L0003433        0    0.82570E-06  463289.3 3810649.6  1068.1    3.49    4.00
3.25    YES
  L0003434        0    0.82570E-06  463289.2 3810641.0  1068.2    3.49    4.00
3.25    YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                         ***   13:34:26

                              PAGE 21
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                                      *** VOLUME SOURCE DATA ***

             NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
  SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
    ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - -

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  L0003435        0    0.82570E-06  463289.2 3810632.4  1068.4    3.49    4.00
3.25    YES
  L0003436        0    0.82570E-06  463289.1 3810623.9  1068.5    3.49    4.00
```

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3.25     YES
  L0003437         0   0.82570E-06   463289.1 3810615.3   1068.6      3.49      4.00
3.25     YES
  L0003438         0   0.82570E-06   463289.0 3810606.7   1068.8      3.49      4.00
3.25     YES
  L0003439         0   0.82570E-06   463288.9 3810598.1   1068.9      3.49      4.00
3.25     YES
  L0003440         0   0.82570E-06   463288.9 3810589.5   1069.0      3.49      4.00
3.25     YES
  L0003441         0   0.82570E-06   463288.8 3810580.9   1069.1      3.49      4.00
3.25     YES
  L0003442         0   0.82570E-06   463288.8 3810572.3   1069.3      3.49      4.00
3.25     YES
  L0003443         0   0.82570E-06   463288.7 3810563.7   1069.4      3.49      4.00
3.25     YES
  L0003444         0   0.82570E-06   463288.7 3810555.1   1069.5      3.49      4.00
3.25     YES
  L0003445         0   0.82570E-06   463288.6 3810546.5   1069.7      3.49      4.00
3.25     YES
  L0003446         0   0.82570E-06   463288.6 3810538.0   1069.8      3.49      4.00
3.25     YES
  L0003447         0   0.82570E-06   463288.5 3810529.4   1069.9      3.49      4.00
3.25     YES
  L0003448         0   0.82570E-06   463288.5 3810520.8   1070.1      3.49      4.00
3.25     YES
  L0003449         0   0.82570E-06   463288.4 3810512.2   1070.2      3.49      4.00
3.25     YES
  L0003450         0   0.82570E-06   463288.4 3810503.6   1070.3      3.49      4.00
3.25     YES
  L0003451         0   0.82570E-06   463288.3 3810495.0   1070.5      3.49      4.00
3.25     YES
  L0003452         0   0.82570E-06   463288.2 3810486.4   1070.6      3.49      4.00
3.25     YES
  L0003453         0   0.82570E-06   463288.2 3810477.8   1070.7      3.49      4.00
3.25     YES
  L0003454         0   0.82570E-06   463288.1 3810469.2   1070.9      3.49      4.00
3.25     YES
  L0003455         0   0.82570E-06   463288.1 3810460.6   1071.0      3.49      4.00
3.25     YES
  L0003456         0   0.82570E-06   463288.0 3810452.1   1071.1      3.49      4.00
3.25     YES
  L0003457         0   0.82570E-06   463288.0 3810443.5   1071.3      3.49      4.00
3.25     YES
  L0003458         0   0.82570E-06   463287.9 3810434.9   1071.4      3.49      4.00
3.25     YES
  L0003459         0   0.82570E-06   463287.9 3810426.3   1071.5      3.49      4.00
3.25     YES
  L0003460         0   0.82570E-06   463287.8 3810417.7   1071.7      3.49      4.00
3.25     YES
  L0003461         0   0.82570E-06   463287.8 3810409.1   1071.8      3.49      4.00
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3.25     YES
 L0003462         0   0.82570E-06  463287.7 3810400.5  1071.9      3.49     4.00
3.25     YES
 L0003463         0   0.82570E-06  463287.7 3810391.9  1072.1      3.49     4.00
3.25     YES
 L0003464         0   0.82570E-06  463287.6 3810383.3  1072.2      3.49     4.00
3.25     YES
 L0003465         0   0.82570E-06  463287.5 3810374.7  1072.3      3.49     4.00
3.25     YES
 L0003466         0   0.82570E-06  463287.5 3810366.2  1072.5      3.49     4.00
3.25     YES
 L0003467         0   0.82570E-06  463287.4 3810357.6  1072.6      3.49     4.00
3.25     YES
 L0003468         0   0.82570E-06  463287.3 3810349.0  1072.8      3.49     4.00
3.25     YES
 L0003469         0   0.82570E-06  463287.3 3810340.4  1073.0      3.49     4.00
3.25     YES
 L0003470         0   0.82570E-06  463287.2 3810331.8  1073.1      3.49     4.00
3.25     YES
 L0003471         0   0.82570E-06  463287.2 3810323.2  1073.2      3.49     4.00
3.25     YES
 L0003472         0   0.82570E-06  463287.1 3810314.6  1073.4      3.49     4.00
3.25     YES
 L0003473         0   0.82570E-06  463287.0 3810306.0  1073.5      3.49     4.00
3.25     YES
 L0003474         0   0.82570E-06  463287.0 3810297.4  1073.7      3.49     4.00
3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                          ***   13:34:26

                              PAGE 22
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0003475   0   0.82570E-06 463286.9 3810288.8 1073.8   3.49   4.00
3.25   YES
 L0003476   0   0.82570E-06 463286.8 3810280.3 1074.0   3.49   4.00

```
3.25     YES
  L0003477        0   0.82570E-06   463286.8 3810271.7  1074.1      3.49      4.00
3.25     YES
  L0003478        0   0.82570E-06   463286.7 3810263.1  1074.3      3.49      4.00
3.25     YES
  L0003479        0   0.82570E-06   463286.6 3810254.5  1074.4      3.49      4.00
3.25     YES
  L0003480        0   0.82570E-06   463286.6 3810245.9  1074.6      3.49      4.00
3.25     YES
  L0003481        0   0.82570E-06   463286.5 3810237.3  1074.7      3.49      4.00
3.25     YES
  L0003482        0   0.82570E-06   463286.5 3810228.7  1074.9      3.49      4.00
3.25     YES
  L0003483        0   0.82570E-06   463286.4 3810220.1  1075.0      3.49      4.00
3.25     YES
  L0003484        0   0.82570E-06   463286.3 3810211.5  1075.2      3.49      4.00
3.25     YES
  L0003485        0   0.82570E-06   463286.3 3810203.0  1075.3      3.49      4.00
3.25     YES
  L0003486        0   0.82570E-06   463286.2 3810194.4  1075.5      3.49      4.00
3.25     YES
  L0003487        0   0.82570E-06   463286.1 3810185.8  1075.6      3.49      4.00
3.25     YES
  L0003488        0   0.82570E-06   463286.1 3810177.2  1075.8      3.49      4.00
3.25     YES
  L0003489        0   0.82570E-06   463286.0 3810168.6  1075.9      3.49      4.00
3.25     YES
  L0003490        0   0.82570E-06   463286.0 3810160.0  1076.1      3.49      4.00
3.25     YES
  L0003491        0   0.82570E-06   463285.9 3810151.4  1076.2      3.49      4.00
3.25     YES
  L0003492        0   0.82570E-06   463285.8 3810142.8  1076.4      3.49      4.00
3.25     YES
  L0003493        0   0.82570E-06   463285.8 3810134.2  1076.5      3.49      4.00
3.25     YES
  L0003494        0   0.82570E-06   463285.7 3810125.6  1076.6      3.49      4.00
3.25     YES
  L0003495        0   0.82570E-06   463285.6 3810117.1  1076.8      3.49      4.00
3.25     YES
  L0003496        0   0.82570E-06   463285.6 3810108.5  1077.0      3.49      4.00
3.25     YES
  L0003497        0   0.82570E-06   463285.5 3810099.9  1077.1      3.49      4.00
3.25     YES
  L0003498        0   0.82570E-06   463285.5 3810091.3  1077.2      3.49      4.00
3.25     YES
  L0003499        0   0.82570E-06   463285.4 3810082.7  1077.4      3.49      4.00
3.25     YES
  L0003500        0   0.82570E-06   463285.3 3810074.1  1077.5      3.49      4.00
3.25     YES
  L0003501        0   0.82570E-06   463285.3 3810065.5  1077.7      3.49      4.00
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```
3.25     YES
 L0003502        0   0.82570E-06  463285.2 3810056.9  1077.8     3.49     4.00
3.25     YES
 L0003503        0   0.82570E-06  463285.1 3810048.3  1078.0     3.49     4.00
3.25     YES
 L0003504        0   0.82570E-06  463285.1 3810039.7  1078.1     3.49     4.00
3.25     YES
 L0003505        0   0.82570E-06  463285.0 3810031.2  1078.3     3.49     4.00
3.25     YES
 L0003506        0   0.82570E-06  463284.9 3810022.6  1078.4     3.49     4.00
3.25     YES
 L0003507        0   0.82570E-06  463284.9 3810014.0  1078.6     3.49     4.00
3.25     YES
 L0003508        0   0.82570E-06  463284.8 3810005.4  1078.7     3.49     4.00
3.25     YES
 L0003509        0   0.82570E-06  463284.8 3809996.8  1078.9     3.49     4.00
3.25     YES
 L0003510        0   0.82570E-06  463284.7 3809988.2  1079.0     3.49     4.00
3.25     YES
 L0003511        0   0.82570E-06  463284.6 3809979.6  1079.2     3.49     4.00
3.25     YES
 L0003512        0   0.82570E-06  463284.6 3809971.0  1079.3     3.49     4.00
3.25     YES
 L0003513        0   0.82570E-06  463284.5 3809962.4  1079.5     3.49     4.00
3.25     YES
 L0003514        0   0.82570E-06  463284.4 3809953.8  1079.6     3.49     4.00
3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                            ***   13:34:26

                            PAGE 23

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                             *** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003515	0	0.82570E-06	463284.4	3809945.3	1079.8	3.49	4.00	3.25		YES
L0003516	0	0.82570E-06	463284.3	3809936.7	1079.9	3.49	4.00			

```
3.25      YES
  L0003517       0   0.82570E-06  463284.3 3809928.1  1080.1      3.49      4.00
3.25      YES
  L0003518       0   0.82570E-06  463284.2 3809919.5  1080.2      3.49      4.00
3.25      YES
  L0003519       0   0.82570E-06  463284.1 3809910.9  1080.4      3.49      4.00
3.25      YES
  L0003520       0   0.82570E-06  463284.1 3809902.3  1080.5      3.49      4.00
3.25      YES
  L0003521       0   0.82570E-06  463284.0 3809893.7  1080.7      3.49      4.00
3.25      YES
  L0003522       0   0.82570E-06  463283.9 3809885.1  1080.8      3.49      4.00
3.25      YES
  L0003523       0   0.82570E-06  463283.9 3809876.5  1081.0      3.49      4.00
3.25      YES
  L0003524       0   0.82570E-06  463283.8 3809868.0  1081.1      3.49      4.00
3.25      YES
  L0003525       0   0.82570E-06  463283.8 3809859.4  1081.2      3.49      4.00
3.25      YES
  L0003526       0   0.82570E-06  463281.5 3809851.2  1081.4      3.49      4.00
3.25      YES
  L0003527       0   0.82570E-06  463278.3 3809843.2  1081.5      3.49      4.00
3.25      YES
  L0003528       0   0.82570E-06  463275.2 3809835.2  1081.7      3.49      4.00
3.25      YES
  L0003529       0   0.82570E-06  463272.0 3809827.2  1081.9      3.49      4.00
3.25      YES
  L0003530       0   0.82570E-06  463269.0 3809819.2  1082.0      3.49      4.00
3.25      YES
  L0003531       0   0.82570E-06  463268.2 3809810.6  1082.1      3.49      4.00
3.25      YES
  L0003532       0   0.82570E-06  463267.4 3809802.1  1082.2      3.49      4.00
3.25      YES
  L0003533       0   0.82570E-06  463266.5 3809793.5  1082.4      3.49      4.00
3.25      YES
  L0003534       0   0.82570E-06  463265.7 3809785.0  1082.5      3.49      4.00
3.25      YES
  L0003535       0   0.82570E-06  463264.9 3809776.4  1082.6      3.49      4.00
3.25      YES
  L0003536       0   0.82570E-06  463264.1 3809767.9  1082.7      3.49      4.00
3.25      YES
  L0003537       0   0.82570E-06  463263.2 3809759.3  1082.9      3.49      4.00
3.25      YES
  L0003538       0   0.82570E-06  463262.4 3809750.8  1083.0      3.49      4.00
3.25      YES
  L0003539       0   0.82570E-06  463261.6 3809742.2  1083.1      3.49      4.00
3.25      YES
  L0003540       0   0.82570E-06  463260.8 3809733.7  1083.2      3.49      4.00
3.25      YES
  L0003541       0   0.82570E-06  463259.9 3809725.1  1083.3      3.49      4.00
```

```
3.25    YES
 L0003542          0   0.82570E-06  463259.1 3809716.6  1083.5     3.49      4.00
3.25    YES
 L0003543          0   0.82570E-06  463258.3 3809708.0  1083.6     3.49      4.00
3.25    YES
 L0003544          0   0.82570E-06  463257.4 3809699.5  1083.7     3.49      4.00
3.25    YES
 L0003545          0   0.82570E-06  463256.6 3809690.9  1083.8     3.49      4.00
3.25    YES
 L0003546          0   0.82570E-06  463255.8 3809682.4  1084.0     3.49      4.00
3.25    YES
 L0003547          0   0.82570E-06  463255.0 3809673.8  1084.1     3.49      4.00
3.25    YES
 L0003548          0   0.82570E-06  463254.1 3809665.3  1084.2     3.49      4.00
3.25    YES
 L0003549          0   0.82570E-06  463253.3 3809656.7  1084.3     3.49      4.00
3.25    YES
 L0003550          0   0.82570E-06  463252.5 3809648.2  1084.4     3.49      4.00
3.25    YES
 L0003551          0   0.82570E-06  463251.6 3809639.6  1084.6     3.49      4.00
3.25    YES
 L0003552          0   0.82570E-06  463250.8 3809631.1  1084.7     3.49      4.00
3.25    YES
 L0003553          0   0.82570E-06  463250.0 3809622.5  1084.8     3.49      4.00
3.25    YES
 L0003554          0   0.82570E-06  463249.2 3809614.0  1084.9     3.49      4.00
3.25    YES
```
♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                            ***   13:34:26

                                PAGE 24
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                              *** VOLUME SOURCE DATA ***

                   NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
    ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0003555   0   0.82570E-06 463248.3 3809605.4 1085.0   3.49   4.00
3.25   YES
 L0003556   0   0.82570E-06 463247.5 3809596.9 1085.2   3.49   4.00
```

```
3.25     YES
 L0003557        0   0.82570E-06  463246.7 3809588.3  1085.3      3.49      4.00
3.25     YES
 L0003558        0   0.82570E-06  463245.9 3809579.8  1085.4      3.49      4.00
3.25     YES
 L0003559        0   0.82570E-06  463245.0 3809571.2  1085.5      3.49      4.00
3.25     YES
 L0003560        0   0.82570E-06  463244.2 3809562.7  1085.7      3.49      4.00
3.25     YES
 L0003561        0   0.82570E-06  463243.4 3809554.1  1085.8      3.49      4.00
3.25     YES
 L0003562        0   0.82570E-06  463242.5 3809545.6  1085.9      3.49      4.00
3.25     YES
 L0003563        0   0.82570E-06  463245.2 3809540.2  1086.0      3.49      4.00
3.25     YES
 L0003564        0   0.82570E-06  463253.8 3809540.0  1085.9      3.49      4.00
3.25     YES
 L0003565        0   0.82570E-06  463262.4 3809539.9  1085.8      3.49      4.00
3.25     YES
 L0003566        0   0.82570E-06  463271.0 3809539.8  1085.7      3.49      4.00
3.25     YES
 L0003567        0   0.82570E-06  463279.5 3809539.7  1085.6      3.49      4.00
3.25     YES
 L0003568        0   0.82570E-06  463288.1 3809539.6  1085.5      3.49      4.00
3.25     YES
 L0003569        0   0.82570E-06  463296.7 3809539.5  1085.4      3.49      4.00
3.25     YES
 L0003570        0   0.82570E-06  463305.3 3809539.4  1085.3      3.49      4.00
3.25     YES
 L0003571        0   0.82570E-06  463313.9 3809539.3  1085.2      3.49      4.00
3.25     YES
 L0003572        0   0.82570E-06  463322.5 3809539.2  1085.2      3.49      4.00
3.25     YES
 L0003573        0   0.82570E-06  463331.1 3809539.1  1085.1      3.49      4.00
3.25     YES
 L0003574        0   0.82570E-06  463339.7 3809539.0  1085.0      3.49      4.00
3.25     YES
 L0003575        0   0.82570E-06  463348.3 3809538.8  1084.9      3.49      4.00
3.25     YES
 L0003576        0   0.82570E-06  463356.8 3809538.7  1084.8      3.49      4.00
3.25     YES
 L0003577        0   0.82570E-06  463365.4 3809538.6  1084.7      3.49      4.00
3.25     YES
 L0003578        0   0.82570E-06  463374.0 3809538.5  1084.6      3.49      4.00
3.25     YES
 L0003579        0   0.82570E-06  463382.6 3809538.4  1084.5      3.49      4.00
3.25     YES
 L0003580        0   0.82570E-06  463391.2 3809538.3  1084.5      3.49      4.00
3.25     YES
 L0003581        0   0.82570E-06  463399.8 3809538.2  1084.4      3.49      4.00
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3.25     YES
 L0003582        0   0.82570E-06  463408.4 3809538.1  1084.3     3.49     4.00
3.25     YES
 L0003583        0   0.82570E-06  463417.0 3809538.0  1084.2     3.49     4.00
3.25     YES
 L0003584        0   0.82570E-06  463425.6 3809537.9  1084.1     3.49     4.00
3.25     YES
 L0003585        0   0.82570E-06  463434.2 3809537.8  1084.0     3.49     4.00
3.25     YES
 L0003586        0   0.82570E-06  463442.7 3809537.6  1083.9     3.49     4.00
3.25     YES
 L0003587        0   0.82570E-06  463451.3 3809537.5  1083.8     3.49     4.00
3.25     YES
 L0003588        0   0.82570E-06  463459.9 3809537.4  1083.8     3.49     4.00
3.25     YES
 L0003589        0   0.82570E-06  463468.5 3809537.3  1083.7     3.49     4.00
3.25     YES
 L0003590        0   0.82570E-06  463477.1 3809537.2  1083.6     3.49     4.00
3.25     YES
 L0003591        0   0.82570E-06  463485.7 3809537.1  1083.5     3.49     4.00
3.25     YES
 L0003592        0   0.82570E-06  463494.3 3809537.0  1083.4     3.49     4.00
3.25     YES
 L0003593        0   0.82570E-06  463502.9 3809536.9  1083.3     3.49     4.00
3.25     YES
 L0003594        0   0.82570E-06  463511.5 3809536.8  1083.2     3.49     4.00
3.25     YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                       ***   13:34:26

                              PAGE 25
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                        *** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

```
 L0003595        0   0.82570E-06  463520.0 3809536.7  1083.1     3.49     4.00
3.25     YES
 L0003596        0   0.82570E-06  463528.6 3809536.6  1083.1     3.49     4.00
```

```
3.25     YES
 L0003597         0   0.82570E-06  463537.2 3809536.5  1083.0      3.49      4.00
3.25     YES
 L0003598         0   0.82570E-06  463545.8 3809536.3  1082.9      3.49      4.00
3.25     YES
 L0003599         0   0.82570E-06  463554.4 3809536.2  1082.8      3.49      4.00
3.25     YES
 L0003600         0   0.82570E-06  463563.0 3809536.1  1082.7      3.49      4.00
3.25     YES
 L0003601         0   0.82570E-06  463571.6 3809536.0  1082.6      3.49      4.00
3.25     YES
 L0003602         0   0.82570E-06  463580.2 3809535.9  1082.5      3.49      4.00
3.25     YES
 L0003603         0   0.82570E-06  463588.8 3809535.8  1082.5      3.49      4.00
3.25     YES
 L0003604         0   0.82570E-06  463597.3 3809535.7  1082.4      3.49      4.00
3.25     YES
 L0003605         0   0.82570E-06  463605.9 3809535.6  1082.3      3.49      4.00
3.25     YES
 L0003606         0   0.82570E-06  463614.5 3809535.5  1082.2      3.49      4.00
3.25     YES
 L0003607         0   0.82570E-06  463623.1 3809535.4  1082.1      3.49      4.00
3.25     YES
 L0003608         0   0.82570E-06  463631.7 3809535.3  1082.0      3.49      4.00
3.25     YES
 L0003609         0   0.82570E-06  463640.3 3809535.1  1081.9      3.49      4.00
3.25     YES
 L0003610         0   0.82570E-06  463648.9 3809535.0  1081.8      3.49      4.00
3.25     YES
 L0003611         0   0.82570E-06  463657.5 3809534.9  1081.8      3.49      4.00
3.25     YES
 L0003612         0   0.82570E-06  463666.1 3809534.8  1081.7      3.49      4.00
3.25     YES
 L0003613         0   0.82570E-06  463674.7 3809534.7  1081.6      3.49      4.00
3.25     YES
 L0003614         0   0.82570E-06  463683.2 3809534.6  1081.5      3.49      4.00
3.25     YES
 L0003615         0   0.82570E-06  463691.8 3809534.5  1081.4      3.49      4.00
3.25     YES
 L0003616         0   0.82570E-06  463700.4 3809534.4  1081.3      3.49      4.00
3.25     YES
 L0003617         0   0.82570E-06  463709.0 3809534.3  1081.2      3.49      4.00
3.25     YES
 L0003618         0   0.82570E-06  463717.6 3809534.2  1081.1      3.49      4.00
3.25     YES
 L0003619         0   0.82570E-06  463726.2 3809534.1  1081.1      3.49      4.00
3.25     YES
 L0003620         0   0.82570E-06  463734.8 3809533.9  1081.0      3.49      4.00
3.25     YES
 L0003621         0   0.82570E-06  463743.4 3809533.8  1080.9      3.49      4.00
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3.25      YES
  L0003622         0   0.82570E-06  463752.0 3809533.7  1080.8     3.49     4.00
3.25      YES
  L0003623         0   0.82570E-06  463760.5 3809533.6  1080.7     3.49     4.00
3.25      YES
  L0003624         0   0.82570E-06  463769.1 3809533.5  1080.6     3.49     4.00
3.25      YES
  L0003625         0   0.82570E-06  463777.7 3809533.4  1080.5     3.49     4.00
3.25      YES
  L0003626         0   0.82570E-06  463786.3 3809533.3  1080.5     3.49     4.00
3.25      YES
  L0003627         0   0.82570E-06  463794.9 3809533.2  1080.4     3.49     4.00
3.25      YES
  L0003628         0   0.82570E-06  463803.5 3809533.1  1080.3     3.49     4.00
3.25      YES
  L0003629         0   0.82570E-06  463812.1 3809533.0  1080.2     3.49     4.00
3.25      YES
  L0003630         0   0.82570E-06  463820.7 3809532.9  1080.1     3.49     4.00
3.25      YES
  L0003631         0   0.82570E-06  463829.3 3809532.8  1080.0     3.49     4.00
3.25      YES
  L0003632         0   0.82570E-06  463837.8 3809532.6  1079.9     3.49     4.00
3.25      YES
  L0003633         0   0.82570E-06  463846.4 3809532.5  1079.8     3.49     4.00
3.25      YES
  L0003634         0   0.82570E-06  463855.0 3809532.4  1079.8     3.49     4.00
3.25      YES
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                          ***   13:34:26

                                 PAGE 26
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                           *** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

```
  L0003635         0   0.82570E-06  463863.6 3809532.3  1079.7     3.49     4.00
3.25      YES
  L0003636         0   0.82570E-06  463872.2 3809532.2  1079.6     3.49     4.00
```

```
3.25    YES
 L0003637        0   0.82570E-06  463880.8 3809532.1  1079.5      3.49      4.00
3.25    YES
 L0003638        0   0.82570E-06  463889.4 3809532.0  1079.4      3.49      4.00
3.25    YES
 L0003639        0   0.82570E-06  463898.0 3809531.9  1079.3      3.49      4.00
3.25    YES
 L0003640        0   0.82570E-06  463906.6 3809531.8  1079.2      3.49      4.00
3.25    YES
 L0003641        0   0.82570E-06  463915.2 3809531.7  1079.1      3.49      4.00
3.25    YES
 L0003642        0   0.82570E-06  463923.7 3809531.6  1079.0      3.49      4.00
3.25    YES
 L0003643        0   0.82570E-06  463932.3 3809531.4  1079.0      3.49      4.00
3.25    YES
 L0003644        0   0.82570E-06  463940.9 3809531.3  1078.9      3.49      4.00
3.25    YES
 L0003645        0   0.82570E-06  463949.5 3809531.2  1078.8      3.49      4.00
3.25    YES
 L0003646        0   0.82570E-06  463958.1 3809531.1  1078.7      3.49      4.00
3.25    YES
 L0003647        0   0.82570E-06  463966.7 3809531.0  1078.6      3.49      4.00
3.25    YES
 L0003648        0   0.82570E-06  463975.3 3809530.9  1078.5      3.49      4.00
3.25    YES
 L0003649        0   0.82570E-06  463983.9 3809530.8  1078.4      3.49      4.00
3.25    YES
 L0003650        0   0.82570E-06  463992.5 3809530.7  1078.3      3.49      4.00
3.25    YES
 L0003651        0   0.82570E-06  464001.0 3809530.6  1078.3      3.49      4.00
3.25    YES
 L0003652        0   0.82570E-06  464009.6 3809530.5  1078.2      3.49      4.00
3.25    YES
 L0003653        0   0.82570E-06  464018.2 3809530.4  1078.1      3.49      4.00
3.25    YES
 L0003654        0   0.82570E-06  464026.8 3809530.2  1078.0      3.49      4.00
3.25    YES
 L0003655        0   0.82570E-06  464035.4 3809530.1  1077.9      3.49      4.00
3.25    YES
 L0003656        0   0.82570E-06  464044.0 3809530.0  1077.8      3.49      4.00
3.25    YES
 L0003657        0   0.82570E-06  464052.6 3809529.9  1077.7      3.49      4.00
3.25    YES
 L0003658        0   0.82570E-06  464061.2 3809529.8  1077.6      3.49      4.00
3.25    YES
 L0003659        0   0.82570E-06  464069.8 3809529.7  1077.6      3.49      4.00
3.25    YES
 L0003660        0   0.82570E-06  464078.3 3809529.6  1077.5      3.49      4.00
3.25    YES
 L0003661        0   0.82570E-06  464086.9 3809529.5  1077.4      3.49      4.00
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```
3.25      YES
 L0003662         0   0.82570E-06  464095.5 3809529.4  1077.3     3.49     4.00
3.25      YES
 L0003663         0   0.82570E-06  464104.1 3809529.3  1077.2     3.49     4.00
3.25      YES
 L0003664         0   0.82570E-06  464112.7 3809529.2  1077.1     3.49     4.00
3.25      YES
 L0003665         0   0.82570E-06  464121.3 3809529.0  1077.0     3.49     4.00
3.25      YES
 L0003666         0   0.82570E-06  464129.9 3809528.9  1077.0     3.49     4.00
3.25      YES
 L0003667         0   0.82570E-06  464138.5 3809528.9  1076.9     3.49     4.00
3.25      YES
 L0003668         0   0.82570E-06  464147.1 3809528.9  1076.8     3.49     4.00
3.25      YES
 L0003669         0   0.82570E-06  464155.7 3809528.8  1076.7     3.49     4.00
3.25      YES
 L0003670         0   0.82570E-06  464164.2 3809528.8  1076.6     3.49     4.00
3.25      YES
 L0003671         0   0.82570E-06  464172.8 3809528.8  1076.5     3.49     4.00
3.25      YES
 L0003672         0   0.82570E-06  464181.4 3809528.8  1076.4     3.49     4.00
3.25      YES
 L0003673         0   0.82570E-06  464190.0 3809528.7  1076.3     3.49     4.00
3.25      YES
 L0003674         0   0.82570E-06  464198.6 3809528.7  1076.2     3.49     4.00
3.25      YES
```
⬧ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                           ***   13:34:26

                               PAGE 27
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                        *** VOLUME SOURCE DATA ***

```
               NUMBER EMISSION RATE                 BASE     RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE      PART.  (GRAMS/SEC)    X        Y      ELEV.   HEIGHT     SY
SZ     SOURCE  SCALAR VARY
    ID         CATS.              (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)            BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 L0003675         0   0.82570E-06  464207.2 3809528.7  1076.1     3.49     4.00
3.25      YES
 L0003676         0   0.82570E-06  464215.8 3809528.6  1076.0     3.49     4.00
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```
3.25     YES
  L0003677        0   0.82570E-06  464224.4 3809528.6  1075.9     3.49     4.00
3.25     YES
  L0003678        0   0.82570E-06  464233.0 3809528.6  1075.8     3.49     4.00
3.25     YES
  L0003679        0   0.82570E-06  464241.6 3809528.6  1075.7     3.49     4.00
3.25     YES
  L0003680        0   0.82570E-06  464250.1 3809528.5  1075.6     3.49     4.00
3.25     YES
  L0003681        0   0.82570E-06  464258.7 3809528.5  1075.5     3.49     4.00
3.25     YES
  L0003682        0   0.82570E-06  464267.3 3809528.5  1075.4     3.49     4.00
3.25     YES
  L0003683        0   0.82570E-06  464275.9 3809528.4  1075.3     3.49     4.00
3.25     YES
  L0003684        0   0.82570E-06  464284.5 3809528.4  1075.2     3.49     4.00
3.25     YES
  L0003685        0   0.82570E-06  464293.1 3809528.4  1075.1     3.49     4.00
3.25     YES
  L0003686        0   0.82570E-06  464301.7 3809528.4  1075.0     3.49     4.00
3.25     YES
  L0003687        0   0.82570E-06  464310.3 3809528.3  1074.9     3.49     4.00
3.25     YES
  L0003688        0   0.82570E-06  464318.9 3809528.3  1074.8     3.49     4.00
3.25     YES
  L0003689        0   0.82570E-06  464327.5 3809528.3  1074.7     3.49     4.00
3.25     YES
  L0003690        0   0.82570E-06  464336.0 3809528.3  1074.6     3.49     4.00
3.25     YES
  L0003691        0   0.82570E-06  464344.6 3809528.2  1074.5     3.49     4.00
3.25     YES
  L0003692        0   0.82570E-06  464353.2 3809528.2  1074.4     3.49     4.00
3.25     YES
  L0003693        0   0.82570E-06  464361.8 3809528.2  1074.3     3.49     4.00
3.25     YES
  L0003694        0   0.82570E-06  464370.4 3809528.1  1074.2     3.49     4.00
3.25     YES
  L0003695        0   0.82570E-06  464379.0 3809528.1  1074.1     3.49     4.00
3.25     YES
  L0003696        0   0.82570E-06  464387.6 3809528.1  1074.0     3.49     4.00
3.25     YES
  L0003697        0   0.82570E-06  464396.2 3809528.1  1073.9     3.49     4.00
3.25     YES
  L0003698        0   0.82570E-06  464404.8 3809528.0  1073.8     3.49     4.00
3.25     YES
  L0003699        0   0.82570E-06  464413.4 3809528.0  1073.7     3.49     4.00
3.25     YES
  L0003700        0   0.82570E-06  464421.9 3809528.0  1073.6     3.49     4.00
3.25     YES
  L0003701        0   0.82570E-06  464430.5 3809527.9  1073.5     3.49     4.00
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3.25      YES
 L0003702          0   0.82570E-06  464439.1 3809527.9  1073.4     3.49     4.00
3.25      YES
 L0003703          0   0.82570E-06  464447.7 3809527.9  1073.3     3.49     4.00
3.25      YES
 L0003704          0   0.82570E-06  464456.3 3809527.9  1073.2     3.49     4.00
3.25      YES
 L0003705          0   0.82570E-06  464464.9 3809527.8  1073.1     3.49     4.00
3.25      YES
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3.25      YES
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3.25      YES
 L0003708          0   0.82570E-06  464490.7 3809527.7  1072.8     3.49     4.00
3.25      YES
 L0003709          0   0.82570E-06  464499.3 3809527.7  1072.7     3.49     4.00
3.25      YES
 L0003710          0   0.82570E-06  464507.8 3809527.7  1072.6     3.49     4.00
3.25      YES
 L0003711          0   0.82570E-06  464516.4 3809527.7  1072.5     3.49     4.00
3.25      YES
 L0003712          0   0.82570E-06  464525.0 3809527.6  1072.4     3.49     4.00
3.25      YES
 L0003713          0   0.82570E-06  464533.6 3809527.6  1072.3     3.49     4.00
3.25      YES
 L0003714          0   0.82570E-06  464542.2 3809527.6  1072.2     3.49     4.00
3.25      YES
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♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                        ***   13:34:26

                                 PAGE 28
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                     *** VOLUME SOURCE DATA ***

                NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
    ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

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 L0003715          0   0.82570E-06  464550.8 3809527.6  1072.1     3.49     4.00
3.25      YES
 L0003716          0   0.82570E-06  464559.4 3809527.5  1072.0     3.49     4.00
```

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3.25      YES
  L0003717        0   0.82570E-06  464568.0 3809527.5  1071.9      3.49      4.00
3.25      YES
  L0003718        0   0.82570E-06  464576.6 3809527.5  1071.8      3.49      4.00
3.25      YES
  L0003719        0   0.82570E-06  464585.2 3809527.4  1071.7      3.49      4.00
3.25      YES
  L0003720        0   0.82570E-06  464593.7 3809527.4  1071.6      3.49      4.00
3.25      YES
  L0003721        0   0.82570E-06  464602.3 3809527.4  1071.5      3.49      4.00
3.25      YES
  L0003722        0   0.82570E-06  464610.9 3809527.4  1071.4      3.49      4.00
3.25      YES
  L0003723        0   0.82570E-06  464619.5 3809527.3  1071.3      3.49      4.00
3.25      YES
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3.25      YES
  L0003725        0   0.82570E-06  464636.7 3809527.3  1071.1      3.49      4.00
3.25      YES
  L0003726        0   0.82570E-06  464645.3 3809527.2  1071.0      3.49      4.00
3.25      YES
  L0003727        0   0.82570E-06  464653.9 3809527.2  1071.0      3.49      4.00
3.25      YES
  L0003728        0   0.82570E-06  464662.5 3809527.3  1070.9      3.49      4.00
3.25      YES
  L0003729        0   0.82570E-06  464671.1 3809527.3  1070.8      3.49      4.00
3.25      YES
  L0003730        0   0.82570E-06  464679.6 3809527.3  1070.7      3.49      4.00
3.25      YES
  L0003731        0   0.82570E-06  464688.2 3809527.4  1070.6      3.49      4.00
3.25      YES
  L0003732        0   0.82570E-06  464696.8 3809527.4  1070.5      3.49      4.00
3.25      YES
  L0003733        0   0.82570E-06  464705.4 3809527.4  1070.5      3.49      4.00
3.25      YES
  L0003734        0   0.82570E-06  464714.0 3809527.4  1070.4      3.49      4.00
3.25      YES
  L0003735        0   0.82570E-06  464722.6 3809527.5  1070.3      3.49      4.00
3.25      YES
  L0003736        0   0.82570E-06  464731.2 3809527.5  1070.2      3.49      4.00
3.25      YES
  L0003737        0   0.82570E-06  464739.8 3809527.5  1070.1      3.49      4.00
3.25      YES
  L0003738        0   0.82570E-06  464748.4 3809527.5  1070.0      3.49      4.00
3.25      YES
  L0003739        0   0.82570E-06  464757.0 3809527.6  1070.0      3.49      4.00
3.25      YES
  L0003740        0   0.82570E-06  464765.5 3809527.6  1069.9      3.49      4.00
3.25      YES
  L0003741        0   0.82570E-06  464774.1 3809527.6  1069.8      3.49      4.00
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3.25     YES
 L0003742        0   0.82570E-06  464782.7 3809527.7  1069.7     3.49     4.00
3.25     YES
 L0003743        0   0.82570E-06  464791.3 3809527.7  1069.6     3.49     4.00
3.25     YES
 L0003744        0   0.82570E-06  464799.9 3809527.7  1069.5     3.49     4.00
3.25     YES
 L0003745        0   0.82570E-06  464808.5 3809527.7  1069.5     3.49     4.00
3.25     YES
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3.25     YES
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3.25     YES
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3.25     YES
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3.25     YES
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3.25     YES
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3.25     YES
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3.25     YES
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3.25     YES
 L0003754        0   0.82570E-06  464885.8 3809529.9  1068.9     3.49     4.00
3.25     YES
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♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                      ***   13:34:26

                           PAGE 29
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                                          *** VOLUME SOURCE DATA ***

```
             NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
  SOURCE       PART.  (GRAMS/SEC)    X        Y     ELEV.   HEIGHT     SY
SZ     SOURCE  SCALAR VARY
   ID        CATS.              (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)           BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 L0003755        0   0.82570E-06  464894.4 3809530.1  1068.8     3.49     4.00
3.25     YES
 L0003756        0   0.82570E-06  464902.9 3809530.4  1068.7     3.49     4.00
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3.25     YES
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3.25     YES
  L0003758        0    0.82570E-06   464920.1 3809531.0  1068.6      3.49      4.00
3.25     YES
  L0003759        0    0.82570E-06   464928.7 3809531.3  1068.5      3.49      4.00
3.25     YES
  L0003760        0    0.82570E-06   464937.3 3809531.6  1068.5      3.49      4.00
3.25     YES
  L0003761        0    0.82570E-06   464945.9 3809531.9  1068.4      3.49      4.00
3.25     YES
  L0003762        0    0.82570E-06   464954.4 3809532.2  1068.4      3.49      4.00
3.25     YES
  L0003763        0    0.82570E-06   464963.0 3809532.5  1068.3      3.49      4.00
3.25     YES
  L0003764        0    0.82570E-06   464971.6 3809532.8  1068.2      3.49      4.00
3.25     YES
  L0003765        0    0.82570E-06   464980.2 3809533.1  1068.2      3.49      4.00
3.25     YES
  L0003766        0    0.82570E-06   464988.8 3809533.4  1068.1      3.49      4.00
3.25     YES
  L0003767        0    0.82570E-06   464997.4 3809533.5  1068.1      3.49      4.00
3.25     YES
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3.25     YES
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3.25     YES
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3.25     YES
  L0003773        0    0.82570E-06   465048.9 3809533.6  1067.9      3.49      4.00
3.25     YES
  L0003774        0    0.82570E-06   465057.5 3809533.6  1067.8      3.49      4.00
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  L0003775        0    0.82570E-06   465066.1 3809533.7  1067.8      3.49      4.00
3.25     YES
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3.25     YES
  L0003777        0    0.82570E-06   465083.3 3809533.7  1067.7      3.49      4.00
3.25     YES
  L0003778        0    0.82570E-06   465091.9 3809533.7  1067.7      3.49      4.00
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  L0003779        0    0.82570E-06   465100.5 3809533.8  1067.7      3.49      4.00
3.25     YES
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3.25     YES
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3.25    YES
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3.25    YES
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3.25    YES
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3.25    YES
 L0003785        0  0.82570E-06  465152.0 3809533.9  1067.5    3.49    4.00
3.25    YES
 L0003786        0  0.82570E-06  465160.6 3809533.9  1067.5    3.49    4.00
3.25    YES
 L0003787        0  0.82570E-06  465169.2 3809534.0  1067.4    3.49    4.00
3.25    YES
 L0003788        0  0.82570E-06  465177.8 3809534.0  1067.4    3.49    4.00
3.25    YES
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♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                       ***   13:34:26

                          PAGE 30
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                   *** SOURCE IDs DEFINING SOURCE GROUPS
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⬆ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                   ***   13:34:26

                    PAGE 31
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                            *** SOURCE IDs DEFINING SOURCE GROUPS

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***

  SRCGROUP ID                                            SOURCE IDs
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⬆ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                         ***   13:34:26

                       PAGE 32
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                       *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID   SOURCE IDs
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⬆ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                          ***   13:34:26

                         PAGE 33
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                                   *** SOURCE IDs DEFINING SOURCE GROUPS

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♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                        ***   13:34:26

                        PAGE 34
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** SOURCE IDs DEFINING SOURCE GROUPS
***

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⬆ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                     ***   13:34:26

                     PAGE 35
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** SOURCE IDs DEFINING SOURCE GROUPS

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♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                      ***   13:34:26

                        PAGE 36
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                       *** SOURCE IDs DEFINING SOURCE GROUPS
***

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♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                         ***   13:34:26

                         PAGE 37
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** SOURCE IDs DEFINED AS URBAN SOURCES
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♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                       ***   13:34:26

                       PAGE 38
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                    *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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⬆ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                        ***   13:34:26

                        PAGE 39
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** SOURCE IDs DEFINED AS URBAN SOURCES

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              L0003075    , L0003076    , L0003077    , L0003078    , L0003079    ,
L0003080    , L0003081    , L0003082    ,

              L0003083    , L0003084    , L0003085    , L0003086    , L0003087    ,
L0003088    , L0003089    , L0003090    ,

              L0003091    , L0003092    , L0003093    , L0003094    , L0003095    ,
L0003096    , L0003097    , L0003098    ,

              L0003099    , L0003100    , L0003101    , L0003102    , L0003103    ,
L0003104    , L0003105    , L0003106    ,

              L0003107    , L0003108    , L0003109    , L0003110    , L0003111    ,
L0003112    , L0003113    , L0003114    ,
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          L0003131    , L0003132    , L0003133    , L0003134    , L0003135    ,
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          L0003147    , L0003148    , L0003149    , L0003150    , L0003151    ,
L0003152    , L0003153    , L0003154    ,
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♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                         ***   13:34:26

                             PAGE 40
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                   *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------


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L0003224   , L0003225   , L0003226   ,

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L0003304   , L0003305   , L0003306   ,

         L0003307   , L0003308   , L0003309   , L0003310   , L0003311   ,
L0003312   , L0003313   , L0003314   ,

↟ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                        ***   13:34:26

                        PAGE 41
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                                   *** SOURCE IDs DEFINED AS URBAN SOURCES

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***

   URBAN ID    URBAN POP                                      SOURCE IDs
   --------    ---------                                      ----------


               L0003315   , L0003316   , L0003317   , L0003318   , L0003319   ,
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   L0003336   , L0003337   , L0003338   ,

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   L0003360   , L0003361   , L0003362   ,

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   L0003368   , L0003369   , L0003370   ,

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   L0003376   , L0003377   , L0003378   ,

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   L0003384   , L0003385   , L0003386   ,

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   L0003392   , L0003393   , L0003394   ,

               L0003395   , L0003396   , L0003397   , L0003398   , L0003399   ,
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L0003464    , L0003465    , L0003466    ,

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L0003472    , L0003473    , L0003474    ,
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♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                         ***   13:34:26

                         PAGE 42
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

          L0003475   , L0003476   , L0003477   , L0003478   , L0003479   ,
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L0003512   , L0003513   , L0003514   ,

          L0003515   , L0003516   , L0003517   , L0003518   , L0003519   ,
L0003520   , L0003521   , L0003522   ,

          L0003523   , L0003524   , L0003525   , L0003526   , L0003527   ,
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⬥ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                     ***   13:34:26

                               PAGE   43
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                                   *** SOURCE IDs DEFINED AS URBAN SOURCES

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***

   URBAN ID   URBAN POP                                    SOURCE IDs
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L0003672   , L0003673   , L0003674   ,

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           L0003683   , L0003684   , L0003685   , L0003686   , L0003687   ,
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           L0003691   , L0003692   , L0003693   , L0003694   , L0003695   ,
L0003696   , L0003697   , L0003698   ,

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L0003712   , L0003713   , L0003714   ,

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♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                      ***   13:34:26

                              PAGE 44
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                      *** DISCRETE CARTESIAN RECEPTORS ***
                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                            (METERS)

```
   ( 464323.8, 3810118.4,   1062.2,    1062.2,       0.0);      ( 464069.8,
3809909.6,   1062.4,    1073.0,      0.0);
   ( 464062.5, 3810020.8,   1053.3,    1073.0,       0.0);      ( 464251.4,
3810056.5,   1063.0,    1063.0,      0.0);
   ( 463261.7, 3810382.2,   1072.0,    1072.0,       0.0);      ( 463259.4,
3810726.7,   1067.3,    1067.3,      0.0);
   ( 463129.9, 3810918.4,   1067.0,    1067.0,       0.0);      ( 463757.3,
3809617.9,   1067.8,    1067.8,      0.0);
   ( 463812.6, 3809602.5,   1070.9,    1070.9,       0.0);      ( 464256.5,
3809578.7,   1074.6,    1074.6,      0.0);
   ( 463944.8, 3809581.1,   1079.2,    1079.2,       0.0);      ( 464226.8,
3809574.7,   1075.1,    1075.1,      0.0);
   ( 464197.0, 3809466.8,   1077.3,    1077.3,       0.0);      ( 464493.3,
3809568.3,   1072.0,    1072.0,      0.0);
   ( 464459.5, 3809507.4,   1073.0,    1073.0,       0.0);      ( 464570.5,
3809507.4,   1072.0,    1072.0,      0.0);
   ( 464608.3, 3809577.8,   1070.8,    1070.8,       0.0);      ( 465068.5,
3810398.7,   1054.2,    1054.2,      0.0);
   ( 463193.3, 3810385.5,   1072.9,    1072.9,       0.0);      ( 463267.5,
3810867.2,   1065.7,    1065.7,      0.0);
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                        *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                             (1=YES; 0=NO)

         1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
         1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
         1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
         1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
         1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
         1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
         1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
         1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

          NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.

                              *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                             (METERS/SEC)

                              1.54,   3.09,   5.14,   8.23,
10.80,
♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                      ***   13:34:26

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file: 723825RR.SFC
                Met Version: 14134
   Profile file: 723825RR.PFL

```
   Surface format: FREE

   Profile format: FREE

   Surface station no.:    23131                    Upper air station no.:     3120
                Name: UNKNOWN                                   Name: UNKNOWN

                Year:    2010                                   Year:    2010

  First 24 hours of scalar data
  YR MO DY JDY HR      H0      U*      W*   DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD      HT  REF TA      HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - -
 10 12 15 349 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 07  -45.5  0.446 -9.000 -9.000 -999.  714.    158.3  0.28   1.40
1.00    4.36  176.   10.0  281.1    2.0
 10 12 15 349 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.49  999.00  999.   -9.0  282.6    2.0
 10 12 15 349 09   44.5  0.452 -9.000 -9.000 -999.  729.   -168.5  0.27   1.40
0.30    3.86  263.   10.0  284.1    2.0
 10 12 15 349 10   94.2  0.570 -9.000 -9.000 -999. 1032.   -160.1  0.27   1.40
0.24    4.86  267.   10.0  285.1    2.0
 10 12 15 349 11 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.21  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 12 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.20  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 13 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.21  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 14  113.3  0.795 -9.000 -9.000 -999. 1700.   -359.2  0.27   1.40
0.22    6.96  256.   10.0  286.1    2.0
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0.26  999.00  999.   -9.0  999.0   -9.0
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0.37  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.71  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
```

```
 10 12 15 349 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28    1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28    1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28    1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28    1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28    1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 10 12 15 349 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28    1.40
1.00  999.00  999.   -9.0  999.0   -9.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR   WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 12 15 01   10.0 1 -999.  -99.00  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                      ***   13:34:26

                           PAGE 47
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                 *** THE ANNUAL AVERAGE CONCENTRATION   VALUES AVERAGED OVER   3
YEARS FOR SOURCE GROUP: ALL   ***
                              INCLUDING SOURCE(S):   L0003789   , L0003790
 , L0003791   , L0003792   , L0003793   ,
                 L0003794   , L0003795   , L0003796   , L0003797   , L0003798
 , L0003799   , L0003800   , L0003801   ,
                 L0003802   , L0003803   , L0003804   , L0003805   , L0003806
 , L0003807   , L0003808   , L0003809   ,
                 L0003810   , L0003811   , L0003812   , L0003813   , L0003814
 , L0003815   , L0003816   , . . .   ,

                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                         ** CONC OF DPM   IN MICROGRAMS/M**3
              **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        464323.82   3810118.37   0.00241   464069.82
3809909.64   0.00289

```
         464062.51    3810020.80         0.00285                          464251.44
3810056.49        0.00255
         463261.74    3810382.21         0.01380                          463259.43
3810726.69        0.01400
         463129.87    3810918.44         0.00509                          463757.31
3809617.89        0.00528
         463812.57    3809602.54         0.00590                          464256.47
3809578.70        0.00789
         463944.77    3809581.10         0.00808                          464226.82
3809574.69        0.00839
         464197.03    3809466.85         0.00353                          464493.33
3809568.32        0.00912
         464459.50    3809507.44         0.00667                          464570.45
3809507.44        0.00679
         464608.33    3809577.79         0.00788                          465068.50
3810398.70        0.00112
         463193.30    3810385.47         0.00694                          463267.51
3810867.17        0.00960
```

♠ *** AERMOD - VERSION 19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC   ***   12/17/20
 *** AERMET - VERSION 14134 ***   ***
                      ***   13:34:26

                              PAGE 48
 *** MODELOPTs: RegDFAULT CONC   ELEV   URBAN

                              *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***

                              ** CONC OF DPM   IN MICROGRAMS/M**3
             **

                   NETWORK
GROUP ID   AVERAGE CONC   RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- -
- - - - - - - - - - - - - - - - - -

ALL   1ST HIGHEST VALUE IS   0.01400 AT (463259.43, 3810726.69,
1067.31, 1067.31,   0.00) DC
        2ND HIGHEST VALUE IS   0.01380 AT (463261.74, 3810382.21,
1072.00, 1072.00,   0.00) DC
        3RD HIGHEST VALUE IS   0.00960 AT (463267.51, 3810867.17,
1065.66, 1065.66,   0.00) DC
        4TH HIGHEST VALUE IS   0.00912 AT (464493.33, 3809568.32,
1072.00, 1072.00,   0.00) DC
        5TH HIGHEST VALUE IS   0.00839 AT (464226.82, 3809574.69,
1075.07, 1075.07,   0.00) DC

```
         6TH HIGHEST VALUE IS        0.00808 AT (  463944.77,  3809581.10,
1079.24,  1079.24,    0.00)  DC
         7TH HIGHEST VALUE IS        0.00789 AT (  464256.47,  3809578.70,
1074.62,  1074.62,    0.00)  DC
         8TH HIGHEST VALUE IS        0.00788 AT (  464608.33,  3809577.79,
1070.76,  1070.76,    0.00)  DC
         9TH HIGHEST VALUE IS        0.00694 AT (  463193.30,  3810385.47,
1072.86,  1072.86,    0.00)  DC
        10TH HIGHEST VALUE IS        0.00679 AT (  464570.45,  3809507.44,
1071.98,  1071.98,    0.00)  DC


  *** RECEPTOR TYPES:  GC = GRIDCART
                       GP = GRIDPOLR
                       DC = DISCCART
                       DP = DISCPOLR
♠ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13302 HRA\13302
HRA.ISC                        ***          12/17/20
 *** AERMET - VERSION  14134 ***   ***
                           ***          13:34:26

                              PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of         7221 Informational Message(s)

 A Total of        26760 Hours Were Processed

 A Total of         3453 Calm Hours Identified

 A Total of         3768 Missing Hours Identified ( 14.08 Percent)

  CAUTION!:  Number of Missing Hours Exceeds 10 Percent of Total!
             Data May Not Be Acceptable for Regulatory Applications.
             See Section 5.3.2 of "Meteorological Monitoring Guidance
             for Regulatory Modeling Applications" (EPA-454/R-99-005).


    ******** FATAL ERROR MESSAGES ********
             ***  NONE  ***


    ********  WARNING MESSAGES  ********
 MX W481   26761        MAIN: Data Remaining After End of Year. Number of Hours=
```

```
**********************************
*** AERMOD Finishes Successfully ***
**********************************
```

AVERAGE EMISSION FACTOR
MDAQMD 2021

Speed	LHD1	MHD	HHD
0	0.408698	0.087445	0.01120
5	0.043321	0.040651	0.02456
25	0.015233	0.020927	0.01130

Speed	Weighted Average Emissions
0	0.08823
5	0.02908
25	0.01268

Emission Rates - 2022 Emission Factors

Truck Emission Rates						
Source	**Trucks Per Day**	**VMT [a] (miles/day)**	**Truck Emission Rate [b] (grams/mile)**	**Truck Emission Rate [b] (grams/idle-hour)**	**Daily Truck Emissions [c] (grams/day)**	**Modeled Emission Rates (g/second)**
On-Site Idling Building (N)	189			0.0882	33.26	3.850E-04
On-Site Idling Building (S)	189			0.0882	33.26	3.850E-04
On-Site Travel Building (N)	377	201.18	0.0291		30.63	3.546E-04
On-Site Travel Building (S)	377	205.19	0.0291		31.24	3.616E-04
Off-Site Travel 5% Inbound	19	8.71	0.0127		0.33	3.781E-06
Off-Site Travel 95% Inbound	358	629.09	0.0127		23.47	2.717E-04
Off-Site Travel 5% Outbound	19	3.92	0.0127		0.15	1.702E-06
Off-Site Travel 95% Outbound	358	728.59	0.0127		27.19	3.146E-04

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes. Additionally, this colum includes idling from TRUs accessing the Project, it is assumed that TRUs would idle for up to 15 minutes the emissions also include those associated with on-site and off-site travel from TRUs.

calendar_y	season_mo	sub_area	vehicle_cla	fuel	temperatu	relative_hu	process	speed_tim	pollutant	emission_rate
2022	Annual	San Bernardino (MD)	HHDT	Dsl	60	70	RUNEX	5	PM10	0.024574
2022	Annual	San Bernardino (MD)	HHDT	Dsl	60	70	RUNEX	25	PM10	0.011302
2022	Annual	San Bernardino (MD)	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.085092
2022	Annual	San Bernardino (MD)	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.02992
2022	Annual	San Bernardino (MD)	MHDT	Dsl	60	70	RUNEX	5	PM10	0.05175
2022	Annual	San Bernardino (MD)	MHDT	Dsl	60	70	RUNEX	25	PM10	0.026641
2022	Annual	San Bernardino (MD)	HHDT	Dsl			IDLEX		PM10	0.011207
2022	Annual	San Bernardino (MD)	LHDT1	Dsl			IDLEX		PM10	0.802778
2022	Annual	San Bernardino (MD)	MHDT	Dsl			IDLEX		PM10	0.11132

Idling / TRU Unmitigated

Emission Factor:
TRU EF   0.12 g/bhp-hr
TRU HP   23 HP
TRU Load Factor   0.46
TRU EF @23 HP and 0.53 LF   1.2696 g/idle-hr
Emission Factor:
TRU EF   0.01 g/bhp-hr
TRU HP   34 HP
TRU Load Factor   0.53
TRU EF @34 HP and 0.53 LF   0.1802 g/idle-hr
Emission Factor:
Weighted Avg TRU EF (60% 25+ HP, 40% <25 HP)   0.61596 g/idle-hr

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Air District
Region: Mojave Desert AQMD
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Ca	Model Yea	Speed	Fuel	Population
Mojave De	2022	HHDT	Aggregate	Aggregate	Gasoline	2.42225
Mojave De	2022	HHDT	Aggregate	Aggregate	Diesel	16475.38
Mojave De	2022	HHDT	Aggregate	Aggregate	Natural Ga	4.929624
Mojave De	2022	LHDT1	Aggregate	Aggregate	Gasoline	11595.2
Mojave De	2022	LHDT1	Aggregate	Aggregate	Diesel	12025.34
Mojave De	2022	MHDT	Aggregate	Aggregate	Gasoline	990.077
Mojave De	2022	MHDT	Aggregate	Aggregate	Diesel	3626.29

HHDT% GAS/NG	0.000446
HHDT% DSL	0.999554
LHDT1% GAS	0.490895
LHDT1% DSL	0.509105
MHDT% GAS	0.214471
MHDT% DSL	0.785529

APPENDIX 2.2:

RISK CALCULATIONS

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
-0.25 to 0 Age Bin Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.01400	1.40E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	4.8E-06	1.5E-07	5.0E+00	1.4E-03	2.8E-03							
TOTAL								1.5E-07			2.8E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	0.25
inhalation rate (L/kg-day))	361
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (age third trimester	10

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0-2 Age Bin Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	$(mg/kg\text{-}day)$		(ug/m^3)	$(mg/kg/day)$								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.01400	1.40E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.5E-05	3.7E-06	5.0E+00	1.4E-03	2.8E-03							
TOTAL								3.7E-06			2.8E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	2
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (0 to 2 years old)	10

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
2-16 Age Bin Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	$(mg/kg\text{-}day)$		(ug/m^3)	$(mg/kg/day)$								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.01400	1.40E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.7E-06	3.5E-06	5.0E+00	1.4E-03	2.8E-03							
TOTAL								3.5E-06			2.8E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	572
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.72
age sensitivity factor (ages 2 to 16 years	3

Table 4
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
16-30 Age Bin Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.01400	1.40E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.5E-06	5.4E-07	5.0E+00	1.4E-03	2.8E-03							
TOTAL								5.4E-07			2.8E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.54

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	261
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years old)	1

Total Risk for All Age Bins (per million)   **7.91**